GenCore version 5.1.6

OM protein - protein search, using sw model

Run on: February 10, 2005, 02:49:30 ; Search time 24 Seconds
(without alignments)
351.473 Million cell updates/sec

Title: US-09-441-242A-2
Perfect score: 612
Sequence: 1 AECPTLGEAVTDHPDRLWAW.....VYHIKIDGVEDMLLELLPDD 113

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*
1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep:*
2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
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5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
6: /cgn2_6/ptodata/1/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	612	100.0	113	2	US-08-330-272-2	Sequence 2, Appli
2	612	100.0	113	5	PCT-US95-13663-2	Sequence 2, Appli
3	221	36.1	108	2	US-08-330-272-4	Sequence 4, Appli
4	221	36.1	108	5	PCT-US95-13663-4	Sequence 4, Appli
5	221	36.1	114	4	US-09-949-016-8126	Sequence 8126, Ap
6	149	24.3	128	4	US-09-949-016-6563	Sequence 6563, Ap
7	91.5	15.0	639	4	US-09-543-681A-6148	Sequence 6148, Ap
8	83	13.6	621	4	US-09-489-039A-9256	Sequence 9256, Ap
9	74	12.1	363	4	US-09-549-848B-39	Sequence 39, Appl
10	70	11.4	239	4	US-09-248-796A-16742	Sequence 16742, A
11	68.5	11.2	399	4	US-09-248-796A-18084	Sequence 18084, A
12	67	10.9	206	2	US-08-438-439C-19	Sequence 19, Appl
13	66	10.8	256	2	US-08-484-905-113	Sequence 113, App
14	66	10.8	256	3	US-08-481-985B-113	Sequence 113, App
15	66	10.8	256	3	US-08-370-476-113	Sequence 113, App
16	66	10.8	258	4	US-09-248-796A-17241	Sequence 17241, A
17	66	10.8	500	3	US-08-960-190A-25	Sequence 25, Appl
18	66	10.8	799	4	US-09-902-540-16408	Sequence 16408, A
19	65	10.6	268	4	US-09-949-016-7216	Sequence 7216, Ap
20	65	10.6	712	4	US-09-489-039A-10736	Sequence 10736, A
21	64	10.5	194	4	US-09-107-532A-6568	Sequence 6568, Ap
22	64	10.5	306	4	US-09-270-767-45909	Sequence 45909, A
23	64	10.5	344	4	US-09-198-452A-880	Sequence 880, App
24	64	10.5	344	4	US-09-438-185A-823	Sequence 823, App
25	64	10.5	663	4	US-09-248-796A-15453	Sequence 15453, A
26	64	10.5	1083	4	US-09-538-092-419	Sequence 419, App
27	63.5	10.4	489	3	US-09-310-463-14	Sequence 14, Appl
28	63.5	10.4	489	4	US-08-842-248A-14	Sequence 14, Appl
29	63.5	10.4	489	4	US-09-949-016-6765	Sequence 6765, Ap
30	63.5	10.4	906	1	US-08-220-151-9	Sequence 9, Appli
31	63.5	10.4	906	1	US-08-413-118-9	Sequence 9, Appli
32	63.5	10.4	906	3	US-08-473-446-9	Sequence 9, Appli
33	63.5	10.4	1019	1	US-08-296-014A-4	Sequence 4, Appli
34	63.5	10.4	1019	2	US-08-596-405-4	Sequence 4, Appli
35	63.5	10.4	1019	2	US-08-877-620-4	Sequence 4, Appli
36	63.5	10.4	1019	4	US-09-287-368-4	Sequence 4, Appli
37	63.5	10.4	1019	4	US-09-626-795-4	Sequence 4, Appli
38	63.5	10.4	1083	1	US-08-296-014A-2	Sequence 2, Appli
39	63.5	10.4	1083	2	US-08-596-405-2	Sequence 2, Appli
40	63.5	10.4	1083	2	US-08-877-620-2	Sequence 2, Appli
41	63.5	10.4	1083	4	US-09-287-368-2	Sequence 2, Appli
42	63.5	10.4	1083	4	US-09-626-795-2	Sequence 2, Appli
43	63	10.3	617	4	US-09-107-433-4596	Sequence 4596, Ap
44	63	10.3	658	4	US-09-583-110-4743	Sequence 4743, Ap
45	62.5	10.2	382	4	US-09-489-039A-8323	Sequence 8323, Ap

ALIGNMENTS

RESULT 1
US-08-330-272-2
; Sequence 2, Application US/08330272
; Patent No. 5985598
; GENERAL INFORMATION:
; APPLICANT: Russo et al
; TITLE OF INVENTION: TCL-1 Gene and Protein and Related
; TITLE OF INVENTION: Methods and Compositions
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/330,272
; FILING DATE:
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Misrock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 6754-027
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 790-8864/9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 113 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-330-272-2

Query Match 100.0%; Score 612; DB 2; Length 113;
Best Local Similarity 100.0%; Pred. No. 1.1e-70;
Matches 113; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 AECPTLGEAVTDHPDRLWAWEKFVYLDEKQHAWLPLTIEIKDRLQLRVLLRREDVVLGRP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 AECPTLGEAVTDHPDRLWAWEKFVYLDEKQHAWLPLTIEIKDRLQLRVLLRREDVVLGRP 60

Qy         61 MTPTQIGPSLLPIMWQLYPDGRYRSSDSSFWRLVYHIKIDGVEDMLLELLPDD 113
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                  ||||||||||||||||||||||||||||||||||||||||||||||||||
Db          61 MTPTQIGPSLLPIMWQLYPDGRYRSSDSSFWRLVYHIKIDGVEDMLLELLPDD 113


RESULT 2
PCT-US95-13663-2
; Sequence 2, Application PC/TUS9513663
;  GENERAL INFORMATION:
;    APPLICANT:  Russo et al
;    TITLE OF INVENTION:  TCL-1 Gene and Protein and Related
;    TITLE OF INVENTION:  Methods and Compositions
;    NUMBER OF SEQUENCES:  11
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Pennie & Edmonds
;      STREET:  1155 Avenue of the Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  U.S.A.
;      ZIP:  10036
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US95/13663
;      FILING DATE:
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Misrock, S. Leslie
;      REGISTRATION NUMBER:  18,872
;      REFERENCE/DOCKET NUMBER:  6754-027
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 790-9090
;      TELEFAX:  (212) 790-8864/9741
;      TELEX:  66141 PENNIE
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  113 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
PCT-US95-13663-2

  Query Match             100.0%;  Score 612;  DB 5;  Length 113;
  Best Local Similarity   100.0%;  Pred. No. 1.1e-70;
  Matches  113;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AECPTLGEAVTDHPDRLWAWEKFVYLDEKQHAWLPLTIEIKDRLQLRVLLRREDVVLGRP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 AECPTLGEAVTDHPDRLWAWEKFVYLDEKQHAWLPLTIEIKDRLQLRVLLRREDVVLGRP 60

Qy         61 MTPTQIGPSLLPIMWQLYPDGRYRSSDSSFWRLVYHIKIDGVEDMLLELLPDD 113
              |||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 MTPTQIGPSLLPIMWQLYPDGRYRSSDSSFWRLVYHIKIDGVEDMLLELLPDD 113


RESULT 3
US-08-330-272-4
; Sequence 4, Application US/08330272
; Patent No. 5985598
;  GENERAL INFORMATION:
;    APPLICANT:  Russo et al
;    TITLE OF INVENTION:  TCL-1 Gene and Protein and Related
;    TITLE OF INVENTION:  Methods and Compositions
;    NUMBER OF SEQUENCES:  11
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Pennie & Edmonds
;      STREET:  1155 Avenue of the Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  U.S.A.
;      ZIP:  10036
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/330,272
;      FILING DATE:
;      CLASSIFICATION:  530
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Misrock, S. Leslie
;      REGISTRATION NUMBER:  18,872
;      REFERENCE/DOCKET NUMBER:  6754-027
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 790-9090
;      TELEFAX:  (212) 790-8864/9741
;      TELEX:  66141 PENNIE
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  108 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  unknown
;      TOPOLOGY:  unknown
;    MOLECULE TYPE:  protein
US-08-330-272-4

  Query Match             36.1%;  Score 221;  DB 2;  Length 108;
  Best Local Similarity   40.2%;  Pred. No. 1.6e-20;
  Matches   43;  Conservative   23;  Mismatches   39;  Indels    2;  Gaps    1;

Qy          7 GEAVTDHPDRLWAWEKFVYLDEKQHAWLPLTIEIKDRLQLRVLLRREDVVLGRPMTPTQI 66
              || |   || ||  :: :| || |  |: : |    |: ||  ::  | ||    |: :
Db          3 GEDVGAPPDHLWVHQEGIYRDEYQRTWVAVVEEETSFLRARV--QQIQVPLGDAARPSHL 60

Qy         67 GPSLLPIMWQLYPDGRYRSSDSSFWRLVYHIKIDGVEDMLLELLPDD 113
              | ||:||||||: ||  ::|  |:: :|: : ||:::||:|||||
Db         61 LTSQLPLMWQLYPEERYMDNNSRLWQIQHHLMVRGVQELLLKLLPDD 107


RESULT 4
PCT-US95-13663-4
; Sequence 4, Application PC/TUS9513663
;  GENERAL INFORMATION:
;    APPLICANT:  Russo et al
;    TITLE OF INVENTION:  TCL-1 Gene and Protein and Related
;    TITLE OF INVENTION:  Methods and Compositions
;    NUMBER OF SEQUENCES:  11
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Pennie & Edmonds
;      STREET:  1155 Avenue of the Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  U.S.A.
;      ZIP:  10036
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US95/13663
;      FILING DATE:
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Misrock, S. Leslie
;      REGISTRATION NUMBER:  18,872
;      REFERENCE/DOCKET NUMBER:  6754-027
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 790-9090
;      TELEFAX:  (212) 790-8864/9741
;      TELEX:  66141 PENNIE
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
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;      LENGTH:  108 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  unknown
;      TOPOLOGY:  unknown
;    MOLECULE TYPE:  protein
PCT-US95-13663-4

  Query Match             36.1%;  Score 221;  DB 5;  Length 108;
  Best Local Similarity   40.2%;  Pred. No. 1.6e-20;
  Matches   43;  Conservative   23;  Mismatches   39;  Indels    2;  Gaps    1;

Qy          7 GEAVTDHPDRLWAWEKFVYLDEKQHAWLPLTIEIKDRLQLRVLLRREDVVLGRPMTPTQI 66
              || |   || ||  :: :| || |  |: :  |    |: ||  ::  | ||    |: :
Db          3 GEDVGAPPDHLWVHQEGIYRDEYQRTWVAVVEEETSFLRARV--QQIQVPLGDAARPSHL 60

Qy         67 GPSLLPIMWQLYPDGRYRSSDSSFWRLVYHIKIDGVEDMLLELLPDD 113
                | ||:||||||: ||  ::|  |:: :|: : ||:::||:|||||
Db         61 LTSQLPLMWQLYPEERYMDNNSRLWQIQHHLMVRGVQELLLKLLPDD 107


RESULT 5
US-09-949-016-8126
; Sequence 8126, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
;  APPLICANT: VENTER, J. Craig et al.
;  TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
;  TITLE OF INVENTION:  WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
;  FILE REFERENCE: CL001307
;  CURRENT APPLICATION NUMBER: US/09/949,016
;  CURRENT FILING DATE:  2000-04-14
;  PRIOR APPLICATION NUMBER: 60/241,755
;  PRIOR FILING DATE: 2000-10-20
;  PRIOR APPLICATION NUMBER: 60/237,768
;  PRIOR FILING DATE: 2000-10-03
;  PRIOR APPLICATION NUMBER: 60/231,498
;  PRIOR FILING DATE: 2000-09-08
;  NUMBER OF SEQ ID NOS: 207012
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 8126
;   LENGTH: 114
;   TYPE: PRT
;   ORGANISM: Human
US-09-949-016-8126

  Query Match             36.1%;  Score 221;  DB 4;  Length 114;
  Best Local Similarity   40.2%;  Pred. No. 1.7e-20;
  Matches   43;  Conservative   23;  Mismatches   39;  Indels    2;  Gaps    1;

Qy          7 GEAVTDHPDRLWAWEKFVYLDEKQHAWLPLTIEIKDRLQLRVLLRREDVVLGRPMTPTQI 66
              || |   || ||  :: :| || |  |: :  |    |: ||  ::  | ||    |: :
Db         10 GEDVGAPPDHLWVHQEGIYRDEYQRTWVAVVEEETSFLRARV--QQIQVPLGDAARPSHL 67

Qy         67 GPSLLPIMWQLYPDGRYRSSDSSFWRLVYHIKIDGVEDMLLELLPDD 113
                | ||:||||||: ||  ::|  |:: :|: : ||:::||:|||||
Db         68 LTSQLPLMWQLYPEERYMDNNSRLWQIQHHLMVRGVQELLLKLLPDD 114


RESULT 6
US-09-949-016-6563
; Sequence 6563, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
;  APPLICANT: VENTER, J. Craig et al.
;  TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
;  TITLE OF INVENTION:  WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
;  FILE REFERENCE: CL001307
;  CURRENT APPLICATION NUMBER: US/09/949,016
;  CURRENT FILING DATE:  2000-04-14
;  PRIOR APPLICATION NUMBER: 60/241,755
;  PRIOR FILING DATE: 2000-10-20
;  PRIOR APPLICATION NUMBER: 60/237,768
;  PRIOR FILING DATE: 2000-10-03
;  PRIOR APPLICATION NUMBER: 60/231,498
;  PRIOR FILING DATE: 2000-09-08
;  NUMBER OF SEQ ID NOS: 207012
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 6563
;   LENGTH: 128
;   TYPE: PRT
;   ORGANISM: Human
US-09-949-016-6563

  Query Match             24.3%;  Score 149;  DB 4;  Length 128;
  Best Local Similarity   29.2%;  Pred. No. 3.4e-11;
  Matches   33;  Conservative   21;  Mismatches   45;  Indels   14;  Gaps    1;

Qy         14 PDRLWAWEKFVYLDEKQHAWLPLTIEIKDRLQ-------------LRVLLRREDVVLGR 59
              | |||     :| ||:   |: : :       :                : | | :  |
Db         13 PGRLWIQRPGIYEDEEGRTWVTVVVRFNPSRREWARASQGSRYEPSITVHLWQMAVHTRE 72

Qy         60 PMTPTQIGPSLLPIMWQLYPDGRYRSSDSSFWRLVYHIKIDGVEDMLLELLPD 112
               ::  |:  | || :|||||  :||::||||| :  | :|| :| ::|   |:
Db         73 LLSSGQMPFSQLPAVWQLYPGRKYRAADSSFWEIADHGQIDSMEQLVLTYQPE 125


RESULT 7
US-09-543-681A-6148
; Sequence 6148, Application US/09543681A
; Patent No. 6605709
; GENERAL INFORMATION:
;  APPLICANT: GARY BRETON
;  TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABI
;  TITLE OF INVENTION:  DIAGNOSTICS AND THERAPEUTICS
;  FILE REFERENCE: 2709.1002-001
;  CURRENT APPLICATION NUMBER: US/09/543,681A
;  CURRENT FILING DATE:  2000-04-05
;  PRIOR APPLICATION NUMBER: US 60/128,706
;  PRIOR FILING DATE: 1999-04-09
;  NUMBER OF SEQ ID NOS: 8344
; SEQ ID NO 6148
;   LENGTH: 639
;   TYPE: PRT
;   ORGANISM: Proteus mirabilis
US-09-543-681A-6148

  Query Match             15.0%;  Score 91.5;  DB 4;  Length 639;
  Best Local Similarity   33.3%;  Pred. No. 0.007;
  Matches   26;  Conservative   13;  Mismatches   24;  Indels   15;  Gaps    4;

Qy         16 RLWAWEKFVYLDE-----KQHAWLPLTI-----EIKDRLQLRVLLRREDVVLGRPMTPTQ 65
              : ||||    ||:     :| : :|: |     |::    : |||| |  |     |
Db        455 KTWAWE--TALDQLREESEQQSLIPIRIGDPAGEVR---LVDVLLRPEITVFEPLWTLIP 509

Qy         66 IGPSLLPIMWQLYPDGRY 83
                ::|||:|||:||  |
Db        510 SNKAILPILWQLFPDNPY 527


RESULT 8
US-09-489-039A-9256
; Sequence 9256, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
;  APPLICANT:  Gary Breton et. al
;  TITLE OF INVENTION:  NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
;  TITLE OF INVENTION:  PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
;  FILE REFERENCE:  2709.2004001
;  CURRENT APPLICATION NUMBER: US/09/489,039A
;  CURRENT FILING DATE:  2000-01-27
;  PRIOR APPLICATION NUMBER:  US 60/117,747
;  PRIOR FILING DATE:  1999-01-29
;  NUMBER OF SEQ ID NOS:  14342
; SEQ ID NO 9256
;   LENGTH: 621
;   TYPE: PRT
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;   ORGANISM: Klebsiella pneumoniae
US-09-489-039A-9256

  Query Match             13.6%;  Score 83;  DB 4;  Length 621;
  Best Local Similarity   27.0%;  Pred. No. 0.083;
  Matches   20;  Conservative   22;  Mismatches   26;  Indels    6;  Gaps    3;

Qy         16 RLWAWEKFV----YLDEKQHAWLPL-TIEIKDRLQLRVLLRREDVVLGRPM-TPTQIGPS 69
              : ||||  :     :  :::| :|: |   :: ::|  :| | :|::  |: |     :
Db        440 KTWAWETAIEQVREVSAEEYAAVPIRTGHPQNEVRLIDVLLRPEVLVFEPLWTVIPGNKA 499

Qy         70 LLPIMWQLYPDGRY 83
              :||::| |:|  ||
Db        500 ILPVLWSLFPHHRY 513


RESULT 9
US-09-549-848B-39
; Sequence 39, Application US/09549848B
; Patent No. 6541259
; GENERAL INFORMATION:
;  APPLICANT:  Lassner, Michael
;  APPLICANT:  Post-Beittenmiller, Dusty
;  APPLICANT:  Savidge, Beth
;  APPLICANT:  Weiss, James
;  TITLE OF INVENTION:  Nucleic Acid Sequences Involved in
;  TITLE OF INVENTION:  Tocopherol Synthesis
;  FILE REFERENCE:  17133/02/US
;  CURRENT APPLICATION NUMBER: US/09/549,848B
;  CURRENT FILING DATE:  2000-04-14
;  PRIOR APPLICATION NUMBER:  60/129,899
;  PRIOR FILING DATE:  1999-04-15
;  PRIOR APPLICATION NUMBER:  60/146,461
;  PRIOR FILING DATE:  1999-07-30
;  NUMBER OF SEQ ID NOS:  94
;  SOFTWARE:  FastSEQ for Windows Version 4.0
; SEQ ID NO 39
;   LENGTH: 363
;   TYPE: PRT
;   ORGANISM: Synechocystis sp
US-09-549-848B-39

  Query Match             12.1%;  Score 74;  DB 4;  Length 363;
  Best Local Similarity   25.0%;  Pred. No. 0.58;
  Matches   26;  Conservative   15;  Mismatches   31;  Indels   32;  Gaps    6;

Qy         14 PDRLWAWEKFVYLDEKQHAWLPLTIEIKDRLQLRVLLRREDVVLGRPMTPT--------- 64
              | | | | :  |  :  |  | :|    :|           :|||||
Db        211 PSR-WFWLQANYFPD--HPGLSVTAAGGER----------IVLGRPEEVALIGLHHQGN 256

Qy         65 --QIGPSLLPIMWQLYPDGRY--RSSDSSFWRLVYHIKIDGVED 104
                : ||    : ||: | ||:  ::|:  :|     :|: |  |
Db        257 FYEFGPGHGTVTWQVAPWGRWQLKASNDRYW-----VKLSGKTD 295


RESULT 10
US-09-248-796A-16742
; Sequence 16742, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
;  APPLICANT: Keith Weinstock et al
;  TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
;  TITLE OF INVENTION:  FOR DIAGNOSTICS AND THERAPEUTICS
;  FILE REFERENCE: 107196.132
;  CURRENT APPLICATION NUMBER: US/09/248,796A
;  CURRENT FILING DATE:  1999-02-12
;  PRIOR APPLICATION NUMBER: US 60/074,725
;  PRIOR FILING DATE: 1998-02-13
;  PRIOR APPLICATION NUMBER: US 60/096,409
;  PRIOR FILING DATE: 1998-08-13
;  NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 16742
;   LENGTH: 239
;   TYPE: PRT
;   ORGANISM: Candida albicans
;   FEATURE:
;   NAME/KEY: UNSURE
;   LOCATION: (234)
;   OTHER INFORMATION: Identity of amino acid sequences at the above locations are unkn
US-09-248-796A-16742

  Query Match             11.4%;  Score 70;  DB 4;  Length 239;
  Best Local Similarity   21.5%;  Pred. No. 1.1;
  Matches   23;  Conservative   19;  Mismatches   35;  Indels   30;  Gaps    3;

Qy          6 LGEAVTDHPDRLWAWEKFVYLDEKQHAWLPLTIEIKDRLQLRVLLRREDVVLGRPMTPTQ 65
              :    |  |  |||       |:     : |||:| | : |:: |: : :::
Db         13 MSSTTTQTPTVLWAQRSSE--DDAAKNIIYLTIQISDPIDLKIDLKSDHLIIDS------ 64

Qy         66 IGPSLLPIMWQLYPDGRYRSSDSSFWRLVYHIKIDGVEDMLLELLPD 112
                          :|:|| :  : ||::|    |   |: ||
Db         65 -----------------KSNDSVYSSIDYHLQI----DFFKEIDPD 89


RESULT 11
US-09-248-796A-18084
; Sequence 18084, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
;  APPLICANT: Keith Weinstock et al
;  TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICA
;  TITLE OF INVENTION:  FOR DIAGNOSTICS AND THERAPEUTICS
;  FILE REFERENCE: 107196.132
;  CURRENT APPLICATION NUMBER: US/09/248,796A
;  CURRENT FILING DATE:  1999-02-12
;  PRIOR APPLICATION NUMBER: US 60/074,725
;  PRIOR FILING DATE: 1998-02-13
;  PRIOR APPLICATION NUMBER: US 60/096,409
;  PRIOR FILING DATE: 1998-08-13
;  NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 18084
;   LENGTH: 399
;   TYPE: PRT
;   ORGANISM: Candida albicans
US-09-248-796A-18084

  Query Match             11.2%;  Score 68.5;  DB 4;  Length 399;
  Best Local Similarity   23.8%;  Pred. No. 3.3;
  Matches   30;  Conservative   23;  Mismatches   44;  Indels   29;  Gaps    5;

Qy         10 VTDHPDRLWAWEKFVYLDEKQHAWLPLTIEIKDRLQLRVLLRREDVVLG----RPMTPTQ 65
              |||: |       ::| :    :|  : : |||    |  ::  |||    :|   |
Db         29 VTDNAD-------LIFLRDAYDVLIPKLVNVIDRLSKFALEYKDLPVLGWTHFQPAQLTT 81

Qy         66 IGPS----LLPIMWQLYPDGRYRS-----------SDSSFWRLVY--HIKIDGVEDMLL 107
              :|      |  ::| |     | |:           : :||  | :  | |:: ::  ::
Db         82 VGKRATLWLQELLWDLRNMVRARNDIGLRGVKGTTGTQASFLSLFHGDHDKVEELDKRVV 141

Qy        108 ELLPDD 113
                |||  |
Db        142 ELLGFD 147


RESULT 12
US-08-438-439C-19
; Sequence 19, Application US/08438439C
; Patent No. 5876967
;  GENERAL INFORMATION:
;    APPLICANT:  Nathans, Jeremy
;    APPLICANT:  Smallwood, Phillip M.
;    APPLICANT:  Macke, Jennifer P.
;    TITLE OF INVENTION:  FIBROBROBLAST GROWTH FACTOR HOMOLOGOUS
;    TITLE OF INVENTION:  FACTOR-2 AND METHODS OF USE
;    NUMBER OF SEQUENCES:  25
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Fish & Richardson P.C.
```

```
;      STREET:  4225 Executive Square, Suite 1400
;      CITY:  La Jolla
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92037
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/438,439C
;      FILING DATE:  May 12, 1995
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Haile, Lisa A.
;      REGISTRATION NUMBER:  38,347
;      REFERENCE/DOCKET NUMBER:  07265/046001
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  619/678-5070
;      TELEFAX:  619/678-5099
;  INFORMATION FOR SEQ ID NO:  19:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  206 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  not relevant
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-438-439C-19

  Query Match             10.9%;  Score 67;  DB 2;  Length 206;
  Best Local Similarity   24.1%;  Pred. No. 2.1;
  Matches   26;  Conservative    6;  Mismatches   30;  Indels   46;  Gaps    4;

Qy         18 WAWEKFVYLDEKQHAWLPLTIEIKDRLQLRVLLRREDVVLGRPMTPTQIGPSLLPIMW-- 75
                | ||  | |     ||||:  : |:              :   |  || | |
Db         45 WWWESLVAL---SLAWLPVAAQPKE----------------AAVQSGAGDYLLGIKWLW 84

Qy         76 ------------QLYPDGRYRSSDSSFWRLVYHIKIDGVEDMLLELLP 111
                         |  |||    : :  |            | |||| |
Db         85 WLYCNVGIGFHLQALPDGWIGGAHADTW------------DSLLELSP 120


RESULT 13
US-08-484-905-113
; Sequence 113, Application US/08484905
; Patent No. 5976551
;  GENERAL INFORMATION:
;    APPLICANT:  Mottez, Estelle
;    APPLICANT:  Abastado, Jean-Pierre
;    APPLICANT:  Kourilsky, Philippe
;    TITLE OF INVENTION:  An Altered Major Histocompatibility
;    TITLE OF INVENTION:  Complex(MHC) Determinant and Methods for Using the
;    TITLE OF INVENTION:  Determinant
;    NUMBER OF SEQUENCES:  127
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Finnegan, Henderson, Farabow, Garrett &
;      ADDRESSEE:  Dunner
;      STREET:  1300 I Street, N.W., Suite 700
;      CITY:  Washington
;      STATE:  D.C.
;      ZIP:  20005-3315
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy Disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS-/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/484,905
;      FILING DATE:  07-JUNE-1995
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/801,818
;      FILING DATE:  05-DEC-1991
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/792,473
;      FILING DATE:  15-NOV-1991
;      CLASSIFICATION:  530
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Potter, Jane E. R.
;      REGISTRATION NUMBER:  33,332
;      REFERENCE/DOCKET NUMBER:  03495.0106-03000
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  202-408-4000
;      TELEFAX:  202-408-4400
;  INFORMATION FOR SEQ ID NO:  113:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  256 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-08-484-905-113

  Query Match             10.8%;  Score 66;  DB 2;  Length 256;
  Best Local Similarity   22.2%;  Pred. No. 3.8;
  Matches   32;  Conservative   24;  Mismatches   30;  Indels   58;  Gaps    8;

Qy         23 FVYLDEKQHAW-LPLTIEIK-------------DRLQLRVLLRRED-------------- 54
              :| ||:|:  | ||   :::              :  | :| :| :
Db         60 YVDLDKKETVWMLPEFAQLRRFEPQGGLQNIATGKHNLEILTKRSNSTPATNEAPQATVF 119

Qy         55 ----VVLGRPMT----PTQIGPSLLPIMW----QLYPDGRYRSS-----DSSFWRL---- 93
                  |:||:| |       | | :: | |    :   || | :|     | || :|
Db        120 PKSPVLLGQPNTLICFVDNIFPPVINITWLRNSKSVTDGVYETSFFVNRDYSFHKLSYLT 179

Qy         94 -------VYHIKID--GVEDMLLE 108
                     :|  |::  |:|: :|:
Db        180 FIPSDDDIYDCKVEHWGLEEPVLK 203


RESULT 14
US-08-481-985B-113
; Sequence 113, Application US/08481985B
; Patent No. 6011146
;  GENERAL INFORMATION:
;    APPLICANT:  Mottez, Estelle
;    APPLICANT:  Abastado, Jean-Pierre
;    APPLICANT:  Kourilsky, Phillipe
;    TITLE OF INVENTION:  Altered Major Histocompatibility Complex
;    TITLE OF INVENTION:
;    NUMBER OF SEQUENCES:  148
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Finnegan, Henderson, Farabow, Garrett &
;      ADDRESSEE:  Dunner
;      STREET:  1300 I Street, N.W., Suite 700
;      CITY:  Washington
;      STATE:  D.C.
;      ZIP:  20005-3315
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/481,985B
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/801,818
;      FILING DATE:  05-DEC-1991
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/792,473
;      FILING DATE:  15-NOV-1991
;      CLASSIFICATION:  435
```

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;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Meyers, Kenneth J.
;      REGISTRATION NUMBER:  25,146
;      REFERENCE/DOCKET NUMBER:  03495.0106-04000
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  202-408-4000
;      TELEFAX:  202-408-4400
;  INFORMATION FOR SEQ ID NO:  113:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  256 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-08-481-985B-113

  Query Match            10.8%;  Score 66;  DB 3;  Length 256;
  Best Local Similarity   22.2%;  Pred. No. 3.8;
  Matches   32;  Conservative   24;  Mismatches   30;  Indels   58;  Gaps    8;

Qy         23 FVYLDEKQHAW-LPLTIEIK-------------DRLQLRVLLRRED-------------- 54
              :| ||:|:  | ||   :::             :  | :| :| :
Db         60 YVDLDKKETVWMLPEFAQLRRFEPQGGLQNIATGKHNLEILTKRSNSTPATNEAPQATVF 119

Qy         55 ----VVLGRPMT----PTQIGPSLLPIMW----QLYPDGRYRSS-----DSSFWRL---- 93
                  |:||:| |       | | :: | |    :   || | :|     | || :|
Db        120 PKSPVLLGQPNTLICFVDNIFPPVINITWLRNSKSVTDGVYETSFFVNRDYSFHKLSYLT 179

Qy         94 -------VYHIKID--GVEDMLLE 108
                    :|  |::  |:|: :|:
Db        180 FIPSDDDIYDCKVEHWGLEEPVLK 203


RESULT 15
US-08-370-476-113
; Sequence 113, Application US/08370476
; Patent No. 6153408
;  GENERAL INFORMATION:
;    APPLICANT:  Mottez, Estelle
;    APPLICANT:  Abastado, Jean-Pierre
;    APPLICANT:  Kourilsky, Phillipe
;    APPLICANT:  Lone, Yu-Chun
;    APPLICANT:  Ojcius, David
;    APPLICANT:  Casrouge, Armanda
;    TITLE OF INVENTION:  Altered Major Histocompatibility Complex
;    TITLE OF INVENTION:
;    NUMBER OF SEQUENCES:  127
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Finnegan, Henderson, Farabow, Garrett &
;      ADDRESSEE:  Dunner
;      STREET:  1300 I Street, N.W., Suite 700
;      CITY:  Washington
;      STATE:  D.C.
;      ZIP:  20005-3315
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/370,476
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/117,575
;      FILING DATE:  07-SEP-1993
;      APPLICATION NUMBER:  US 08/072,787
;      FILING DATE:  06-JUN-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/801,818
;      FILING DATE:  05-DEC-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/792,473
;      FILING DATE:  15-NOV-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Meyers, Kenneth J.
;      REGISTRATION NUMBER:  25,146
;      REFERENCE/DOCKET NUMBER:  05243.0001-01000
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  202-408-4000
;      TELEFAX:  202-408-4400
;  INFORMATION FOR SEQ ID NO:  113:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  256 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-08-370-476-113

  Query Match            10.8%;  Score 66;  DB 3;  Length 256;
  Best Local Similarity   22.2%;  Pred. No. 3.8;
  Matches   32;  Conservative   24;  Mismatches   30;  Indels   58;  Gaps    8;

Qy         23 FVYLDEKQHAW-LPLTIEIK-------------DRLQLRVLLRRED-------------- 54
              :| ||:|:  | ||   :::             :  | :| :| :
Db         60 YVDLDKKETVWMLPEFAQLRRFEPQGGLQNIATGKHNLEILTKRSNSTPATNEAPQATVF 119

Qy         55 ----VVLGRPMT----PTQIGPSLLPIMW----QLYPDGRYRSS-----DSSFWRL---- 93
                  |:||:| |       | | :: | |    :   || | :|     | || :|
Db        120 PKSPVLLGQPNTLICFVDNIFPPVINITWLRNSKSVTDGVYETSFFVNRDYSFHKLSYLT 179

Qy         94 -------VYHIKID--GVEDMLLE 108
                    :|  |::  |:|: :|:
Db        180 FIPSDDDIYDCKVEHWGLEEPVLK 203


Search completed: February 10, 2005, 05:09:56
Job time : 172 secs
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GenCore version 5.1.6

OM nucleic - nucleic search, using sw model

Run on: February 10, 2005, 02:44:14 ; Search time 250 Seconds
(without alignments)
8665.721 Million cell updates/sec

Title: US-09-441-242A-1
Perfect score: 1324
Sequence: 1 cttgagaggctctggctctt.....catggaaaaaaaaaaaaaaa 1324

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_NA:*
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2: /cgn2_6/ptodata/1/ina/5B_COMB.seq:*
3: /cgn2_6/ptodata/1/ina/6A_COMB.seq:*
4: /cgn2_6/ptodata/1/ina/6B_COMB.seq:*
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6: /cgn2_6/ptodata/1/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Result No.	Score	% Query Match	Length	DB	ID	Description
	1	1324	100.0	1324	2	US-08-330-272-1	Sequence 1, Appli
	2	1324	100.0	1324	5	PCT-US95-13663-1	Sequence 1, Appli
	3	1297.4	98.0	1315	4	US-09-949-016-2088	Sequence 2088, Ap
	4	1280	96.7	1368	4	US-09-620-312D-871	Sequence 871, App
	5	902.4	68.2	8150	4	US-09-949-016-13830	Sequence 13830, A
	6	819.8	61.9	4922	2	US-08-330-272-5	Sequence 5, Appli
	7	819.8	61.9	4922	5	PCT-US95-13663-5	Sequence 5, Appli
c	8	167.8	12.7	601	4	US-09-949-016-70602	Sequence 70602, A
	9	65	4.9	560	2	US-08-330-272-3	Sequence 3, Appli
	10	65	4.9	560	5	PCT-US95-13663-3	Sequence 3, Appli
	11	62.8	4.7	1152	4	US-09-949-016-692	Sequence 692, App
	12	60.4	4.6	1847	4	US-09-949-016-2255	Sequence 2255, Ap
	13	50.6	3.8	601	4	US-09-949-016-31387	Sequence 31387, A
	14	50.6	3.8	601	4	US-09-949-016-70598	Sequence 70598, A
	15	50.6	3.8	1128	4	US-09-949-016-2087	Sequence 2087, Ap
	16	50.6	3.8	10190	4	US-09-949-016-13829	Sequence 13829, A
	17	50.6	3.8	10193	4	US-09-949-016-12434	Sequence 12434, A
	18	50.2	3.8	601	4	US-09-949-016-31386	Sequence 31386, A
	19	50.2	3.8	601	4	US-09-949-016-70597	Sequence 70597, A
	20	49.2	3.7	7218	1	US-08-232-463-14	Sequence 14, Appl
c	21	41.8	3.2	4403765	3	US-09-103-840A-2	Sequence 2, Appli
c	22	41.8	3.2	4411529	3	US-09-103-840A-1	Sequence 1, Appli
	23	39	2.9	651	4	US-09-270-767-25324	Sequence 25324, A
	24	39	2.9	1199	4	US-09-270-767-10001	Sequence 10001, A
c	25	37.4	2.8	126176	4	US-09-949-016-16137	Sequence 16137, A
c	26	37.4	2.8	126176	4	US-09-949-016-16138	Sequence 16138, A
c	27	37.2	2.8	289	3	US-09-007-005-17	Sequence 17, Appl
c	28	37.2	2.8	289	3	US-09-244-796-17	Sequence 17, Appl
	29	37	2.8	832	4	US-09-774-639-57	Sequence 57, Appl
	30	36.8	2.8	291	4	US-09-902-540-9076	Sequence 9076, Ap
c	31	36.8	2.8	7052	4	US-09-526-193A-22	Sequence 22, Appl
c	32	36.8	2.8	11963	4	US-09-902-540-1072	Sequence 1072, Ap
c	33	36.4	2.7	42157	4	US-08-311-731A-126	Sequence 126, App
	34	36.2	2.7	460	4	US-09-976-594-13	Sequence 13, Appl
	35	36	2.7	19025	4	US-09-849-334-3	Sequence 3, Appli
	36	36	2.7	19025	4	US-10-274-878-3	Sequence 3, Appli
	37	36	2.7	19025	4	US-10-697-266-3	Sequence 3, Appli
c	38	35.8	2.7	762	4	US-09-252-991A-13061	Sequence 13061, A
	39	35.8	2.7	879	4	US-09-252-991A-12575	Sequence 12575, A
	40	35.8	2.7	885	4	US-09-252-991A-12721	Sequence 12721, A
c	41	35.8	2.7	2145	4	US-09-252-991A-13235	Sequence 13235, A
	42	35.6	2.7	96202	4	US-09-949-016-16433	Sequence 16433, A
c	43	35.4	2.7	25431	4	US-09-949-016-13234	Sequence 13234, A
	44	35.4	2.7	32881	4	US-09-949-016-16048	Sequence 16048, A
	45	35.2	2.7	3575	4	US-09-023-655-1395	Sequence 1395, Ap

ALIGNMENTS

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RESULT 1
US-08-330-272-1
; Sequence 1, Application US/08330272
; Patent No. 5985598
;  GENERAL INFORMATION:
;    APPLICANT:  Russo et al
;    TITLE OF INVENTION:  TCL-1 Gene and Protein and Related
;    TITLE OF INVENTION:  Methods and Compositions
;    NUMBER OF SEQUENCES:  11
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Pennie & Edmonds
;      STREET:  1155 Avenue of the Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  U.S.A.
;      ZIP:  10036
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/330,272
;      FILING DATE:
;      CLASSIFICATION:  530
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Misrock, S. Leslie
;      REGISTRATION NUMBER:  18,872
;      REFERENCE/DOCKET NUMBER:  6754-027
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 790-9090
;      TELEFAX:  (212) 790-8864/9741
;      TELEX:  66141 PENNIE
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  1324 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  49..387
US-08-330-272-1

  Query Match             100.0%;  Score 1324;  DB 2;  Length 1324;
  Best Local Similarity   100.0%;  Pred. No. 0;
  Matches 1324;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CTTGAGAGGCTCTGGCTCTTGCTTCTTAGGCGGCCCGAGGACGCCATGGCCGAGTGCCCG 60
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Db          1 CTTGAGAGGCTCTGGCTCTTGCTTCTTAGGCGGCCCGAGGACGCCATGGCCGAGTGCCCG 60

Qy         61 ACACTCGGGGAGGCAGTCACCGACCACCCGGACCGCCTGTGGGCCTGGGAGAAGTTCGTG 120

Db         61 ACACTCGGGGAGGCAGTCACCGACCACCCGGACCGCCTGTGGGCCTGGGAGAAGTTCGTG 120

Qy        121 TATTTGGACGAGAAGCAGCACGCCTGGCTGCCCTTAACCATCGAGATAAAGGATAGGTTA 180

Db        121 TATTTGGACGAGAAGCAGCACGCCTGGCTGCCCTTAACCATCGAGATAAAGGATAGGTTA 180

Qy        181 CAGTTACGGGTGCTCTTGCGTCGGGAAGACGTCGTCCTGGGGAGGCCTATGACCCCCACC 240

Db        181 CAGTTACGGGTGCTCTTGCGTCGGGAAGACGTCGTCCTGGGGAGGCCTATGACCCCCACC 240

Qy        241 CAGATAGGCCCAAGCCTGCTGCCTATCATGTGGCAGCTCTACCCTGATGGACGATACCGA 300

Db        241 CAGATAGGCCCAAGCCTGCTGCCTATCATGTGGCAGCTCTACCCTGATGGACGATACCGA 300

Qy        301 TCCTCAGACTCCAGTTTCTGGCGCTTAGTGTACCACATCAAGATTGACGGCGTGGAGGAC 360

Db        301 TCCTCAGACTCCAGTTTCTGGCGCTTAGTGTACCACATCAAGATTGACGGCGTGGAGGAC 360

Qy        361 ATGCTTCTCGAGCTGCTGCCAGATGACTGATGTATGGTCTTGGCAGCACCTGTCTCCTTT 420

Db        361 ATGCTTCTCGAGCTGCTGCCAGATGACTGATGTATGGTCTTGGCAGCACCTGTCTCCTTT 420

Qy        421 CACCCCAGGGCCTGAGCCTGGCCAGCCTACAATGGGGATGTTGTGTTTCTGTTCACCTTC 480

Db        421 CACCCCAGGGCCTGAGCCTGGCCAGCCTACAATGGGGATGTTGTGTTTCTGTTCACCTTC 480

Qy        481 GTTTACTATGCCTGTGTCTTCTCCACCACGCTGGGGTCTGGGAGGAATGGACAGACAGAG 540

Db        481 GTTTACTATGCCTGTGTCTTCTCCACCACGCTGGGGTCTGGGAGGAATGGACAGACAGAG 540

Qy        541 GATGAGCTCTACCCAGGGCCTGCAGGACCTGCCTGTAGCCCACTCTGCTCGCCTTAGCAC 600

Db        541 GATGAGCTCTACCCAGGGCCTGCAGGACCTGCCTGTAGCCCACTCTGCTCGCCTTAGCAC 600

Qy        601 TACCACTCCTGCCAAGGAGGATTCCATTTGGCAGAGCTTCTTCCAGGTGCCCAGCTATAC 660

Db        601 TACCACTCCTGCCAAGGAGGATTCCATTTGGCAGAGCTTCTTCCAGGTGCCCAGCTATAC 660

Qy        661 CTGTGCCTCGGCTTTTCTCAGCTGGATGATGGTCTTCAGCCTCTTTCTGTCCCTTCTGTC 720

Db        661 CTGTGCCTCGGCTTTTCTCAGCTGGATGATGGTCTTCAGCCTCTTTCTGTCCCTTCTGTC 720

Qy        721 CCTCACAGCACTAGTATTTCATGTTGCACACCCACTCAGCTCCGTGAACTTGTGAGAACA 780

Db        721 CCTCACAGCACTAGTATTTCATGTTGCACACCCACTCAGCTCCGTGAACTTGTGAGAACA 780

Qy        781 CAGCCGATTCACCTGAGCAGGACCTCTGAAACCCTGGACCAGTGGTCTCACATGGTGCTA 840

Db        781 CAGCCGATTCACCTGAGCAGGACCTCTGAAACCCTGGACCAGTGGTCTCACATGGTGCTA 840

Qy        841 CGCCTGCATGTAAACACGCCTGCAAACGCTGCCTGCCGGTAAACACGCCTGCAAACGCTG 900

Db        841 CGCCTGCATGTAAACACGCCTGCAAACGCTGCCTGCCGGTAAACACGCCTGCAAACGCTG 900

Qy        901 CCTGCCCGTAAACACGCCTGCAAACGCTGCCTGCCCACACAGGTTCACGTGCAGCTCAAG 960

Db        901 CCTGCCCGTAAACACGCCTGCAAACGCTGCCTGCCCACACAGGTTCACGTGCAGCTCAAG 960

Qy        961 GAAAGGCCTGAAAGGAGCCCTTATCTGTGCTCAGGACTCAGAAGCCTCTGGGTCAGTGGT 1020

Db        961 GAAAGGCCTGAAAGGAGCCCTTATCTGTGCTCAGGACTCAGAAGCCTCTGGGTCAGTGGT 1020

Qy       1021 CCACATCCCGGGACGCAGCAGGAGGCCAGGCCGGCGAGCCCTGTGGATGAGCCCTCAGAA 1080

Db       1021 CCACATCCCGGGACGCAGCAGGAGGCCAGGCCGGCGAGCCCTGTGGATGAGCCCTCAGAA 1080

Qy       1081 CCCTTGGCTTGCCCACGTGGAAAAGGGATAGAGGTTGGGTTTCCCCCCTTTATAGATGGT 1140

Db       1081 CCCTTGGCTTGCCCACGTGGAAAAGGGATAGAGGTTGGGTTTCCCCCCTTTATAGATGGT 1140

Qy       1141 CACGCACCTGGGTGTTACAAAGTTGTATGTGGCATGAATACTTTTTGTAATGATTGATTA 1200

Db       1141 CACGCACCTGGGTGTTACAAAGTTGTATGTGGCATGAATACTTTTTGTAATGATTGATTA 1200

Qy       1201 AATGCAAGATAGTTTATCTAACTTCGTGCGCAATCAGCTTCTATCCTTGACTTAGATTCT 1260

Db       1201 AATGCAAGATAGTTTATCTAACTTCGTGCGCAATCAGCTTCTATCCTTGACTTAGATTCT 1260

Qy       1261 GGTGGAGAGAAGTGAGAATAGGCAGCCCCCAAATAAAAAATATTCATGGAAAAAAAAAAA 1320

Db       1261 GGTGGAGAGAAGTGAGAATAGGCAGCCCCCAAATAAAAAATATTCATGGAAAAAAAAAAA 1320

Qy       1321 AAAA 1324

Db       1321 AAAA 1324
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RESULT 2
PCT-US95-13663-1
; Sequence 1, Application PC/TUS9513663
;  GENERAL INFORMATION:
;    APPLICANT:  Russo et al
;    TITLE OF INVENTION:  TCL-1 Gene and Protein and Related
;    TITLE OF INVENTION:  Methods and Compositions
;    NUMBER OF SEQUENCES:  11
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Pennie & Edmonds
;      STREET:  1155 Avenue of the Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  U.S.A.
;      ZIP:  10036
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US95/13663
;      FILING DATE:
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Misrock, S. Leslie
;      REGISTRATION NUMBER:  18,872
;      REFERENCE/DOCKET NUMBER:  6754-027
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 790-9090
;      TELEFAX:  (212) 790-8864/9741
;      TELEX:  66141 PENNIE
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  1324 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  49..387
PCT-US95-13663-1

  Query Match           100.0%;  Score 1324;  DB 5;  Length 1324;
  Best Local Similarity   100.0%;  Pred. No. 0;
  Matches 1324;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CTTGAGAGGCTCTGGCTCTTGCTTCTTAGGCGGCCCGAGGACGCCATGGCCGAGTGCCCG 60

Db          1 CTTGAGAGGCTCTGGCTCTTGCTTCTTAGGCGGCCCGAGGACGCCATGGCCGAGTGCCCG 60

Qy         61 ACACTCGGGGAGGCAGTCACCGACCACCCGGACCGCCTGTGGGCCTGGGAGAAGTTCGTG 120
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Db         61 ACACTCGGGGAGGCAGTCACCGACCACCCGGACCGCCTGTGGGCCTGGGAGAAGTTCGTG 120

Qy        121 TATTTGGACGAGAAGCAGCACGCCTGGCTGCCCTTAACCATCGAGATAAAGGATAGGTTA 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 TATTTGGACGAGAAGCAGCACGCCTGGCTGCCCTTAACCATCGAGATAAAGGATAGGTTA 180

Qy        181 CAGTTACGGGTGCTCTTGCGTCGGGAAGACGTCGTCCTGGGGAGGCCTATGACCCCCACC 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 CAGTTACGGGTGCTCTTGCGTCGGGAAGACGTCGTCCTGGGGAGGCCTATGACCCCCACC 240

Qy        241 CAGATAGGCCCAAGCCTGCTGCCTATCATGTGGCAGCTCTACCCTGATGGACGATACCGA 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 CAGATAGGCCCAAGCCTGCTGCCTATCATGTGGCAGCTCTACCCTGATGGACGATACCGA 300

Qy        301 TCCTCAGACTCCAGTTTCTGGCGCTTAGTGTACCACATCAAGATTGACGGCGTGGAGGAC 360
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        301 TCCTCAGACTCCAGTTTCTGGCGCTTAGTGTACCACATCAAGATTGACGGCGTGGAGGAC 360

Qy        361 ATGCTTCTCGAGCTGCTGCCAGATGACTGATGTATGGTCTTGGCAGCACCTGTCTCCTTT 420
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        361 ATGCTTCTCGAGCTGCTGCCAGATGACTGATGTATGGTCTTGGCAGCACCTGTCTCCTTT 420

Qy        421 CACCCCAGGGCCTGAGCCTGGCCAGCCTACAATGGGGATGTTGTGTTTCTGTTCACCTTC 480
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        421 CACCCCAGGGCCTGAGCCTGGCCAGCCTACAATGGGGATGTTGTGTTTCTGTTCACCTTC 480

Qy        481 GTTTACTATGCCTGTGTCTTCTCCACCACGCTGGGGTCTGGGAGGAATGGACAGACAGAG 540
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        481 GTTTACTATGCCTGTGTCTTCTCCACCACGCTGGGGTCTGGGAGGAATGGACAGACAGAG 540

Qy        541 GATGAGCTCTACCCAGGGCCTGCAGGACCTGCCTGTAGCCCACTCTGCTCGCCTTAGCAC 600
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        541 GATGAGCTCTACCCAGGGCCTGCAGGACCTGCCTGTAGCCCACTCTGCTCGCCTTAGCAC 600

Qy        601 TACCACTCCTGCCAAGGAGGATTCCATTTGGCAGAGCTTCTTCCAGGTGCCCAGCTATAC 660
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        601 TACCACTCCTGCCAAGGAGGATTCCATTTGGCAGAGCTTCTTCCAGGTGCCCAGCTATAC 660

Qy        661 CTGTGCCTCGGCTTTTCTCAGCTGGATGATGGTCTTCAGCCTCTTTCTGTCCCTTCTGTC 720
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        661 CTGTGCCTCGGCTTTTCTCAGCTGGATGATGGTCTTCAGCCTCTTTCTGTCCCTTCTGTC 720

Qy        721 CCTCACAGCACTAGTATTTCATGTTGCACACCCACTCAGCTCCGTGAACTTGTGAGAACA 780
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        721 CCTCACAGCACTAGTATTTCATGTTGCACACCCACTCAGCTCCGTGAACTTGTGAGAACA 780

Qy        781 CAGCCGATTCACCTGAGCAGGACCTCTGAAACCCTGGACCAGTGGTCTCACATGGTGCTA 840
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        781 CAGCCGATTCACCTGAGCAGGACCTCTGAAACCCTGGACCAGTGGTCTCACATGGTGCTA 840

Qy        841 CGCCTGCATGTAAACACGCCTGCAAACGCTGCCTGCCGGTAAACACGCCTGCAAACGCTG 900
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        841 CGCCTGCATGTAAACACGCCTGCAAACGCTGCCTGCCGGTAAACACGCCTGCAAACGCTG 900

Qy        901 CCTGCCCGTAAACACGCCTGCAAACGCTGCCTGCCCACACAGGTTCACGTGCAGCTCAAG 960
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        901 CCTGCCCGTAAACACGCCTGCAAACGCTGCCTGCCCACACAGGTTCACGTGCAGCTCAAG 960

Qy        961 GAAAGGCCTGAAAGGAGCCCTTATCTGTGCTCAGGACTCAGAAGCCTCTGGGTCAGTGGT 1020
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        961 GAAAGGCCTGAAAGGAGCCCTTATCTGTGCTCAGGACTCAGAAGCCTCTGGGTCAGTGGT 1020

Qy       1021 CCACATCCCGGGACGCAGCAGGAGGCCAGGCCGGCGAGCCCTGTGGATGAGCCCTCAGAA 1080
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1021 CCACATCCCGGGACGCAGCAGGAGGCCAGGCCGGCGAGCCCTGTGGATGAGCCCTCAGAA 1080

Qy       1081 CCCTTGGCTTGCCCACGTGGAAAAGGGATAGAGGTTGGGTTTCCCCCCTTTATAGATGGT 1140
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1081 CCCTTGGCTTGCCCACGTGGAAAAGGGATAGAGGTTGGGTTTCCCCCCTTTATAGATGGT 1140

Qy       1141 CACGCACCTGGGTGTTACAAAGTTGTATGTGGCATGAATACTTTTTGTAATGATTGATTA 1200
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1141 CACGCACCTGGGTGTTACAAAGTTGTATGTGGCATGAATACTTTTTGTAATGATTGATTA 1200

Qy       1201 AATGCAAGATAGTTTATCTAACTTCGTGCGCAATCAGCTTCTATCCTTGACTTAGATTCT 1260
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1201 AATGCAAGATAGTTTATCTAACTTCGTGCGCAATCAGCTTCTATCCTTGACTTAGATTCT 1260

Qy       1261 GGTGGAGAGAAGTGAGAATAGGCAGCCCCCAAATAAAAAATATTCATGGAAAAAAAAAAA 1320
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1261 GGTGGAGAGAAGTGAGAATAGGCAGCCCCCAAATAAAAAATATTCATGGAAAAAAAAAAA 1320

Qy       1321 AAAA 1324
              ||||
Db       1321 AAAA 1324
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RESULT 3
US-09-949-016-2088
; Sequence 2088, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2088
; LENGTH: 1315
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-2088

Query Match 98.0%; Score 1297.4; DB 4; Length 1315;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 1309; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

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Qy          1 CTTGAGAGGCTCTGGCTCTTGCTTCTTAGGCGGCCCGAGGACGCCATGGCCGAGTGCCCG 60
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Db          1 CTTGAGAGGCTCTGGCTCTTGCTTCTTAGGCGGCCCGAGGACGCCATGGCCGAGTGCCCG 60

Qy         61 ACACTCGGGGAGGCAGTCACCGACCACCCGGACCGCCTGTGGGCCTGGGAGAAGTTCGTG 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 ACACTCGGGGAGGCAGTCACCGACCACCCGGACCGCCTGTGGGCCTGGGAGAAGTTCGTG 120

Qy        121 TATTTGGACGAGAAGCAGCACGCCTGGCTGCCCTTAACCATCGAGATAAAGGATAGGTTA 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 TATTTGGACGAGAAGCAGCACGCCTGGCTGCCCTTAACCATCGAGATAAAGGATAGGTTA 180

Qy        181 CAGTTACGGGTGCTCTTGCGTCGGGAAGACGTCGTCCTGGGGAGGCCTATGACCCCCACC 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 CAGTTACGGGTGCTCTTGCGTCGGGAAGACGTCGTCCTGGGGAGGCCTATGACCCCCACC 240

Qy        241 CAGATAGGCCCAAGCCTGCTGCCTATCATGTGGCAGCTCTACCCTGATGGACGATACCGA 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 CAGATAGGCCCAAGCCTGCTGCCTATCATGTGGCAGCTCTACCCTGATGGACGATACCGA 300

Qy        301 TCCTCAGACTCCAGTTTCTGGCGCTTAGTGTACCACATCAAGATTGACGGCGTGGAGGAC 360
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        301 TCCTCAGACTCCAGTTTCTGGCGCTTAGTGTACCACATCAAGATTGACGGCGTGGAGGAC 360

Qy        361 ATGCTTCTCGAGCTGCTGCCAGATGACTGATGTATGGTCTTGGCAGCACCTGTCTCCTTT 420
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        361 ATGCTTCTCGAGCTGCTGCCAGATGACTGATGTATGGTCTTGGCAGCACCTGTCTCCTTT 420

Qy        421 CACCCCAGGGCCTGAGCCTGGCCAGCCTACAATGGGGATGTTGTGTTTCTGTTCACCTTC 480
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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Db        421 CACCCCAGGGCCTGAGCCTGGCCAGCCTACAATGGGGATGTTGTGTTTCTGTTCACCTTC 480

Qy        481 GTTTACTATGCCTGTGTCTTCTCCACCACGCTGGGGTCTGGGAGGAATGGACAGACAGAG 540
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        481 GTTTACTATGCCTGTGTCTTCTCCACCACGCTGGGGTCTGGGAGGAATGGACAGACAGAG 540

Qy        541 GATGAGCTCTACCCAGGGCCTGCAGGACCTGCCTGTAGCCCACTCTGCTCGCCTTAGCAC 600
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        541 GATGAGCTCTACCCAGGGCCTGCAGGACCTGCCTGTAGCCCACTCTGCTCGCCTTAGCAC 600

Qy        601 TACCACTCCTGCCAAGGAGGATTCCATTTGGCAGAGCTTCTTCCAGGTGCCCAGCTATAC 660
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        601 TACCACTCCTGCCAAGGAGGATTCCATTTGGCAGAGCTTCTTCCAGGTGCCCAGCTATAC 660

Qy        661 CTGTGCCTCGGCTTTTCTCAGCTGGATGATGGTCTTCAGCCTCTTTCTGTCCCTTCTGTC 720
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        661 CTGTGCCTCGGCTTTTCTCAGCTGGATGATGGTCTTCAGCCTCTTTCTGTCCCTTCTGTC 720

Qy        721 CCTCACAGCACTAGTATTTCATGTTGCACACCCACTCAGCTCCGTGAACTTGTGAGAACA 780
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        721 CCTCACAGCACTAGTATTTCATGTTGCACACCCACTCAGCTCCGTGAACTTGTGAGAACA 780

Qy        781 CAGCCGATTCACCTGAGCAGGACCTCTGAAACCCTGGACCAGTGGTCTCACATGGTGCTA 840
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        781 CAGCCGATTCACCTGAGCAGGACCTCTGAAACCCTGGACCAGTGGTCTCACATGGTGCTA 840

Qy        841 CGCCTGCATGTAAACACGCCTGCAAACGCTGCCTGCCGGTAAACACGCCTGCAAACGCTG 900
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        841 CGCCTGCATGTAAACACGCCTGCAAACGCTGCCTGCCGGTAAACACGCCTGCAAACGCTG 900

Qy        901 CCTGCCCGTAAACACGCCTGCAAACGCTGCCTGCCCACACAGGTTCACGTGCAGCTCAAG 960
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        901 CCTGCCCGTAAACACGCCTGCAAACGCTGCCTGCCCACACAGGTTCACGTGCAGCTCAAG 960

Qy        961 GAAAGGCCTGAAAGGAGCCCTTATCTGTGCTCAGGACTCAGAAGCCTCTGGGTCAGTGGT 1020
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        961 GAAAGGCCTGAAAGGAGCCCTTATCTGTGCTCAGGACTCAGAAGCCTCTGGGTCAGTGGT 1020

Qy       1021 CCACATCCCGGGACGCAGCAGGAGGCCAGGCCGGCGAGCCCTGTGGATGAGCCCTCAGAA 1080
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1021 CCACATCCCGGGACGCAGCAGGAGGCCAGGCCGGCGAGCCCTGTGGATGAGCCCTCAGAA 1080

Qy       1081 CCCTTGGCTTGCCCACGTGGAAAAGGGATAGAGGTTGGGTTTCCCCCC-TTTATAGATGG 1139
              |||||||||||||||||||||||||||||||||||||||||||||| |||||||||||
Db       1081 CCCTTGGCTTGCCCACGTGGAAAAGGGATAGAGGTTGGGTTTCCCCCCTTTTATAGATGG 1140

Qy       1140 TCACGCACCTGGGTGTTACAAAGTTGTATGTGGCATGAATACTTTTTGTAATGATTGATT 1199
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1141 TCACGCACCTGGGTGTTACAAAGTTGTATGTGGCATGAATACTTTTTGTAATGATTGATT 1200

Qy       1200 AAATGCAAGATAGTTTATCTAACTTCGTGCGCAATCAGCTTCTATCCTTGACTTAGATTC 1259
              |||||||||||||||||||||||||||||| ||||||||||||||||||||||||||||
Db       1201 AAATGCAAGATAGTTTATCTAACTTCGTGCGGAATCAGCTTCTATCCTTGACTTAGATTC 1260

Qy       1260 TGGTGGAGAGAAGTGAGAATAGGCAGCCCCCAAATAAAAAATATTCATGGA 1310
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Db       1261 TGGTGGAGAGAAGTGAGAATAGGCAGCCCCCAAATAAAAAATATTCATGGA 1311
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RESULT 4
US-09-620-312D-871
; Sequence 871, Application US/09620312D
; Patent No. 6569662
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Zhang, Jie
; APPLICANT: Ren, Feiyan
; APPLICANT: Chen, Rui-hong
; APPLICANT: Zhao, Qing A.
; APPLICANT: Wehrman, Tom
; APPLICANT: Xue, Aidong J.
; APPLICANT: Yang, Yonghong
; APPLICANT: Wang, Jian-Rui
; APPLICANT: Zhou, Ping
; APPLICANT: Ma, Yunqing
; APPLICANT: Wang, Dunrui
; APPLICANT: Wang, Zhiwei
; APPLICANT: John Tillinghast
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: No. 6569662el Nucleic Acids and
; TITLE OF INVENTION: Polypeptides
; FILE REFERENCE: 784CIP2B
; CURRENT APPLICATION NUMBER: US/09/620,312D
; CURRENT FILING DATE: 2000-07-19
; PRIOR APPLICATION NUMBER: 09/552,317
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: 09/488,725
; PRIOR FILING DATE: 2000-01-21
; NUMBER OF SEQ ID NOS: 1105
; SOFTWARE: pt_FL_genes Version 1.0
; SEQ ID NO 871
; LENGTH: 1368
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (103)..(447)
US-09-620-312D-871

Query Match 96.7%; Score 1280; DB 4; Length 1368;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 1302; Conservative 0; Mismatches 0; Indels 2; Gaps 2;

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Qy          8 GGCTCTGGCTCTTGCTTCTTAGGCGGCCCGAGGACGCCATGGCCGAGTGCCCGACACTCG 67
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         65 GGCTCTGGCTCTTGCTTCTTAGGCGGCCCGAGGACGCCATGGCCGAGTGCCCGACACTCG 124

Qy         68 GGGAGGCAGTCACCGACCACCCGGACCGCCTGTGGGCCTGGGAGAAGTTCGTGTATTTGG 127
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        125 GGGAGGCAGTCACCGACCACCCGGACCGCCTGTGGGCCTGGGAGAAGTTCGTGTATTTGG 184

Qy        128 ACGAGAAGCAGCACGCCTGGCTGCCCTTAACCATCGAGATAAAGGATAGGTTACAGTTAC 187
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        185 ACGAGAAGCAGCACGCCTGGCTGCCCTTAACCATCGAGATAAAGGATAGGTTACAGTTAC 244

Qy        188 GGGTGCTCTTGCGTCGGGAAGACGTCGTCCTGGGGAGGCCTATGACCCCCACCCAGATAG 247
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        245 GGGTGCTCTTGCGTCGGGAAGACGTCGTCCTGGGGAGGCCTATGACCCCCACCCAGATAG 304

Qy        248 GCCCAAGCCTGCTGCCTATCATGTGGCAGCTCTACCCTGATGGACGATACCGATCCTCAG 307
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        305 GCCCAAGCCTGCTGCCTATCATGTGGCAGCTCTACCCTGATGGACGATACCGATCCTCAG 364

Qy        308 ACTCCAGTTTCTGGCGCTTAGTGTACCACATCAAGATTGACGGCGTGGAGGACATGCTTC 367
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        365 ACTCCAGTTTCTGGCGCTTAGTGTACCACATCAAGATTGACGGCGTGGAGGACATGCTTC 424

Qy        368 TCGAGCTGCTGCCAGATGACTGATGTATGGTCTTGGCAGCACCTGTCTCCTTTCACCCCA 427
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        425 TCGAGCTGCTGCCAGATGACTGATGTATGGTCTTGGCAGCACCTGTCTCCTTTCACCCCA 484

Qy        428 GGGCCTGAGCCTGGCCAGCCTACAATGGGGATGTTGTGTTTCTGTTCACCTTCGTTTACT 487
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        485 GGGCCTGAGCCTGGCCAGCCTACAATGGGGATGTTGTGTTTCTGTTCACCTTCGTTTACT 544

Qy        488 ATGCCTGTGTCTTCTCCACCACGCTGGGGTCTGGGAGGAATGGACAGACAGAGGATGAGC 547
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        545 ATGCCTGTGTCTTCTCCACCACGCTGGGGTCTGGGAGGAATGGACAGACAGAGGATGAGC 604

Qy        548 TCTACCCAGGGCCTGCAGGACCTGCCTGTAGCCCACTCTGCTCGCCTTAGCACTACCACT 607
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        605 TCTACCCAGGGCCTGCAGGACCTGCCTGTAGCCCACTCTGCTCGCCTTAGCACTACCACT 664

Qy        608 CCTGCCAAGGAGGATTCCATTTGGCAGAGCTTCTTCCA-GGTGCCCAGCTATACCTGTGC 666
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Db        665 CCTGCCAAGGAGGATTCCATTTGGCAGAGCTTCTTCCAGGGTGCCCAGCTATACCTGTGC 724

Qy        667 CTCGGCTTTTCTCAGCTGGATGATGGTCTTCAGCCTCTTTCTGTCCCTTCTGTCCCTCAC 726
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        725 CTCGGCTTTTCTCAGCTGGATGATGGTCTTCAGCCTCTTTCTGTCCCTTCTGTCCCTCAC 784

Qy        727 AGCACTAGTATTTCATGTTGCACACCCACTCAGCTCCGTGAACTTGTGAGAACACAGCCG 786
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        785 AGCACTAGTATTTCATGTTGCACACCCACTCAGCTCCGTGAACTTGTGAGAACACAGCCG 844

Qy        787 ATTCACCTGAGCAGGACCTCTGAAACCCTGGACCAGTGGTCTCACATGGTGCTACGCCTG 846
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        845 ATTCACCTGAGCAGGACCTCTGAAACCCTGGACCAGTGGTCTCACATGGTGCTACGCCTG 904

Qy        847 CATGTAAACACGCCTGCAAACGCTGCCTGCCGGTAAACACGCCTGCAAACGCTGCCTGCC 906
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        905 CATGTAAACACGCCTGCAAACGCTGCCTGCCGGTAAACACGCCTGCAAACGCTGCCTGCC 964

Qy        907 CGTAAACACGCCTGCAAACGCTGCCTGCCCACACAGGTTCACGTGCAGCTCAAGGAAAGG 966
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        965 CGTAAACACGCCTGCAAACGCTGCCTGCCCACACAGGTTCACGTGCAGCTCAAGGAAAGG 1024

Qy        967 CCTGAAAGGAGCCCTTATCTGTGCTCAGGACTCAGAAGCCTCTGGGTCAGTGGTCCACAT 1026
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1025 CCTGAAAGGAGCCCTTATCTGTGCTCAGGACTCAGAAGCCTCTGGGTCAGTGGTCCACAT 1084

Qy       1027 CCCGGGACGCAGCAGGAGGCCAGGCCGGCGAGCCCTGTGGATGAGCCCTCAGAACCCTTG 1086
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1085 CCCGGGACGCAGCAGGAGGCCAGGCCGGCGAGCCCTGTGGATGAGCCCTCAGAACCCTTG 1144

Qy       1087 GCTTGCCCACGTGGAAAAGGGATAGAGGTTGGGTTTCCCCCC-TTTATAGATGGTCACGC 1145
              ||||||||||||||||||||||||||||||||||||||||||| ||||||||||||||||||
Db       1145 GCTTGCCCACGTGGAAAAGGGATAGAGGTTGGGTTTCCCCCCTTTTATAGATGGTCACGC 1204

Qy       1146 ACCTGGGTGTTACAAAGTTGTATGTGGCATGAATACTTTTTGTAATGATTGATTAAATGC 1205
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1205 ACCTGGGTGTTACAAAGTTGTATGTGGCATGAATACTTTTTGTAATGATTGATTAAATGC 1264

Qy       1206 AAGATAGTTTATCTAACTTCGTGCGCAATCAGCTTCTATCCTTGACTTAGATTCTGGTGG 1265
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1265 AAGATAGTTTATCTAACTTCGTGCGCAATCAGCTTCTATCCTTGACTTAGATTCTGGTGG 1324

Qy       1266 AGAGAAGTGAGAATAGGCAGCCCCCAAATAAAAAATATTCATGG 1309
              |||||||||||||||||||||||||||||||||||||||||||
Db       1325 AGAGAAGTGAGAATAGGCAGCCCCCAAATAAAAAATATTCATGG 1368
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RESULT 5
US-09-949-016-13830
; Sequence 13830, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 13830
; LENGTH: 8150
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-13830

Query Match 68.2%; Score 902.4; DB 4; Length 8150;
Best Local Similarity 99.8%; Pred. No. 1.4e-283;
Matches 914; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

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Qy        396 GGTCTTGGCAGCACCTGTCTCCTTTCACCCCAGGGCCTGAGCCTGGCCAGCCTACAATGG 455
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       5230 GGTCTTGGCAGCACCTGTCTCCTTTCACCCCAGGGCCTGAGCCTGGCCAGCCTACAATGG 5289

Qy        456 GGATGTTGTGTTTCTGTTCACCTTCGTTTACTATGCCTGTGTCTTCTCCACCACGCTGGG 515
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       5290 GGATGTTGTGTTTCTGTTCACCTTCGTTTACTATGCCTGTGTCTTCTCCACCACGCTGGG 5349

Qy        516 GTCTGGGAGGAATGGACAGACAGAGGATGAGCTCTACCCAGGGCCTGCAGGACCTGCCTG 575
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       5350 GTCTGGGAGGAATGGACAGACAGAGGATGAGCTCTACCCAGGGCCTGCAGGACCTGCCTG 5409

Qy        576 TAGCCCACTCTGCTCGCCTTAGCACTACCACTCCTGCCAAGGAGGATTCCATTTGGCAGA 635
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       5410 TAGCCCACTCTGCTCGCCTTAGCACTACCACTCCTGCCAAGGAGGATTCCATTTGGCAGA 5469

Qy        636 GCTTCTTCCAGGTGCCCAGCTATACCTGTGCCTCGGCTTTTCTCAGCTGGATGATGGTCT 695
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       5470 GCTTCTTCCAGGTGCCCAGCTATACCTGTGCCTCGGCTTTTCTCAGCTGGATGATGGTCT 5529

Qy        696 TCAGCCTCTTTCTGTCCCTTCTGTCCCTCACAGCACTAGTATTTCATGTTGCACACCCAC 755
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       5530 TCAGCCTCTTTCTGTCCCTTCTGTCCCTCACAGCACTAGTATTTCATGTTGCACACCCAC 5589

Qy        756 TCAGCTCCGTGAACTTGTGAGAACACAGCCGATTCACCTGAGCAGGACCTCTGAAACCCT 815
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       5590 TCAGCTCCGTGAACTTGTGAGAACACAGCCGATTCACCTGAGCAGGACCTCTGAAACCCT 5649

Qy        816 GGACCAGTGGTCTCACATGGTGCTACGCCTGCATGTAAACACGCCTGCAAACGCTGCCTG 875
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       5650 GGACCAGTGGTCTCACATGGTGCTACGCCTGCATGTAAACACGCCTGCAAACGCTGCCTG 5709

Qy        876 CCGGTAAACACGCCTGCAAACGCTGCCTGCCCGTAAACACGCCTGCAAACGCTGCCTGCC 935
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       5710 CCGGTAAACACGCCTGCAAACGCTGCCTGCCCGTAAACACGCCTGCAAACGCTGCCTGCC 5769

Qy        936 CACACAGGTTCACGTGCAGCTCAAGGAAAGGCCTGAAAGGAGCCCTTATCTGTGCTCAGG 995
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       5770 CACACAGGTTCACGTGCAGCTCAAGGAAAGGCCTGAAAGGAGCCCTTATCTGTGCTCAGG 5829

Qy        996 ACTCAGAAGCCTCTGGGTCAGTGGTCCACATCCCGGGACGCAGCAGGAGGCCAGGCCGGC 1055
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       5830 ACTCAGAAGCCTCTGGGTCAGTGGTCCACATCCCGGGACGCAGCAGGAGGCCAGGCCGGC 5889

Qy       1056 GAGCCCTGTGGATGAGCCCTCAGAACCCTTGGCTTGCCCACGTGGAAAAGGGATAGAGGT 1115
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       5890 GAGCCCTGTGGATGAGCCCTCAGAACCCTTGGCTTGCCCACGTGGAAAAGGGATAGAGGT 5949

Qy       1116 TGGGTTTCCCCCC-TTTATAGATGGTCACGCACCTGGGTGTTACAAAGTTGTATGTGGCA 1174
              ||||||||||||| |||||||||||||||||||||||||||||||||||||||||||||
Db       5950 TGGGTTTCCCCCCTTTTATAGATGGTCACGCACCTGGGTGTTACAAAGTTGTATGTGGCA 6009

Qy       1175 TGAATACTTTTTGTAATGATTGATTAAATGCAAGATAGTTTATCTAACTTCGTGCGCAAT 1234
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||| |||
Db       6010 TGAATACTTTTTGTAATGATTGATTAAATGCAAGATAGTTTATCTAACTTCGTGCGGAAT 6069

Qy       1235 CAGCTTCTATCCTTGACTTAGATTCTGGTGGAGAGAAGTGAGAATAGGCAGCCCCCAAAT 1294
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       6070 CAGCTTCTATCCTTGACTTAGATTCTGGTGGAGAGAAGTGAGAATAGGCAGCCCCCAAAT 6129

Qy       1295 AAAAAATATTCATGGA 1310
              ||||||||||||||||
Db       6130 AAAAAATATTCATGGA 6145
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RESULT 6
US-08-330-272-5
; Sequence 5, Application US/08330272
; Patent No. 5985598

```
;  GENERAL INFORMATION:
;    APPLICANT:  Russo et al
;    TITLE OF INVENTION:  TCL-1 Gene and Protein and Related
;    TITLE OF INVENTION:  Methods and Compositions
;    NUMBER OF SEQUENCES:  11
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Pennie & Edmonds
;      STREET:  1155 Avenue of the Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  U.S.A.
;      ZIP:  10036
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/330,272
;      FILING DATE:
;      CLASSIFICATION:  530
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Misrock, S. Leslie
;      REGISTRATION NUMBER:  18,872
;      REFERENCE/DOCKET NUMBER:  6754-027
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 790-9090
;      TELEFAX:  (212) 790-8864/9741
;      TELEX:  66141 PENNIE
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  4922 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  unknown
;      TOPOLOGY:  unknown
;    MOLECULE TYPE:  DNA
US-08-330-272-5

  Query Match             61.9%;  Score 819.8;  DB 2;  Length 4922;
  Best Local Similarity   92.8%;  Pred. No. 1.1e-256;
  Matches  854;  Conservative   28;  Mismatches   34;  Indels    4;  Gaps    4;

Qy        396 GGTCTTGGCAGCACCTGTCTCCTTTCACCCCAGGGCCTGAGCCTGGCCAGCCTACAATGG 455
              ||||||||:|||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       3726 GGTCTTGGYAGCACCTGTCTCCTTTCACCCCAGGGCCTGAGCCTGGCCAGCCTACAATGG 3785

Qy        456 GGATGTTGTGTTTCTGTTCACCTTCGTTTACTATGCCTGTGTCTTCTCCACCACGCTGGG 515
              ||||||||||||||||||||||||||||||||||:|||||||||||||||||||||||||
Db       3786 GGATGTTGTGTTTCTGTTCACCTTCGTTTACTATGBCTGTGTCTTCTCCACCACGCTGGG 3845

Qy        516 GTCTGGGAGGAATGGACAGACAGAGGATGAGCTCTACCCAGGGCCTGCAGGACCTG-CCT 574
              |||||||||||||||||||||||||||||||||||:|||||||:||||||| |||
Db       3846 GTCTGGGAGGAATGGACAGACAGAGGATGAGCTCTACCCRGGGCCTGSAGGACCTGTCCT 3905

Qy        575 GTAGCCCACTCTGCTCGCCTTAGCA-CTACCACTCCTGCCAAGGAGGATTCCATTTGGCA 633
              ||||:|||||||||||||||||:| ||||:|||||::|| |:|||||| ||| |||| |
Db       3906 GTAGMCCACTCTGCTCGCCTTAGSACCTACSACTCCWRCCGASGAGGATNCCANTTGGAA 3965

Qy        634 GAGCTTCTTCCAGGTGCCCAGCTATACCTGTGCCTCGGCTTTTCTCAGCTGGATGATGGT 693
              |||||||||  ||||| | |   | | |||||| | ||||||||||||||||||||||||
Db       3966 GAGCTTCTTNNAGGTGNCNAANAANANCTGTGCGTNGGCTTTTCTCAGCTGGATGATGGT 4025

Qy        694 CTTCAGCCTCTTTCTGTCCCTTCTGTCCCTCACAGCACTAGTATTTCATGTTGCACACCC 753
              | | ||||||||||||||||||||||||||||||||||||||||| ||||||||||||||
Db       4026 CNTNAGCCTCTTTCTGTCCCTTCTGTCCCTCACAGCACTAGTATTTNATGTTGCACACCC 4085

Qy        754 ACTCAGCTCCGTGAACTTGTGAGAACACAGCCGATTCACCTGAGCAGGACCTCTGAAACC 813
              |||||||||||||| |||||||||||| ||||||||||||||||||||||||||||||||
Db       4086 ACTCAGCTCCGTGAATTTGTGAGAACACAACCGATTCACCTGAGCAGGACCTCTGAAACC 4145

Qy        814 CTGGACCAGTGGTCTCACATGGTGCTACGCCTGCATGTAAACACGCCTGCAAACGCTGCC 873
              |||||||||||||||||||||||||||||||||||||||||||||||||| ||||||||||
Db       4146 CTGGACCAGTGGTCTCACATGGTGCTACGCCTGCATGTAAACACGCCTNCAAACGCTGCC 4205

Qy        874 TGCCGGTAAACACGCCTGCAAAC-GCTGCCTGCCCGTAAACACGCCTGCAAACGCTGCCT 932
              ||||:||:||||||:::::::|| |:||::::|||||||||||||||||||||||||||||
Db       4206 TGCCKGTRAACACGMSKSYRMACAGSTGMSWRCCCGTAAACACGCCTGCAAACGCTGCCT 4265

Qy        933 GCCCACACAGGTTCACGTGCAGCTCAAGGAAAGGCCTGAAAGGAGCCCTTATCTGTGCTC 992
              ||||||||||||||||||||||||||||||||||::||||||::|||||||||||||||||
Db       4266 GCCCACACAGGTTCACGTGCAGCTCAAGGAAAGRMCTGAAARRAGCCCTTATCTGTGCTC 4325

Qy        993 AGGACTCAGAAGCCTCTGGGTCAGTGGTCCACATCCCGGGACGCAGCAGGAGGCCAGGCC 1052
              |||||||||||||||||||||||||||||||||||||||||||||||||| ||||||||||||
Db       4326 AGGACTCAGAAGCCTCTGGGTCAGTGGTCCACATCCCGGGACGCAGNAGGAGGCCAGGCC 4385

Qy       1053 GGCGAGCCCTGTGGATGAGCCCTCAGAACCCTTGGCTTGCCCACGTGGAAAAGGGATAGA 1112
              |||||||||||||||||||||||||||||||||| |||||||||||||||||||||||||
Db       4386 GGCGAGCCCTGTGGATGAGCCCTCAGAACCCTTGGGTTGCCCACGTGGAAAAGGGATAGA 4445

Qy       1113 GGTTGGGTTTCCCCCC-TTTATAGATGGTCACGCACCTGGGTGTTACAAAGTTGTATGTG 1171
              |||||||||||||||| |||||||||||||||||||||||||||||||||||||||||||
Db       4446 GGTTGGGTTTCCCCCCTTTTATAGATGGTCACGCACCTGGGTGTTACAAAGTTGTATGTG 4505

Qy       1172 GCATGAATACTTTTTGTAATGATTGATTAAATGCAAGATAGTTTATCTAACTTCGTGCGC 1231
              |||||||||||||  ||| ||||||||||||||||||||||||||||||||||||||||||
Db       4506 GCATGAATACTTGNTGTNATGATTGATTAAATGCAAGATAGTTTATCTAACTTCGTGCGG 4565

Qy       1232 AATCAGCTTCTATCCTTGACTTAGATTCTGGTGGAGAGAAGTGAGAATAGGCAGCCCCCA 1291
              |||||||||||||||||| |||||||||||||||||||||| ||||||||| |||||
Db       4566 AATCAGCTTCTATCCTTGNCTTAGATTCTGGTGGAGAGAAGTGANAATAGGCAGNCCCCA 4625

Qy       1292 AATAAAAAATATTCATGGAA 1311
              ||||| |||||||| || |
Db       4626 NATAAANAATATTCANGGGA 4645


RESULT 7
PCT-US95-13663-5
; Sequence 5, Application PC/TUS9513663
;  GENERAL INFORMATION:
;    APPLICANT:  Russo et al
;    TITLE OF INVENTION:  TCL-1 Gene and Protein and Related
;    TITLE OF INVENTION:  Methods and Compositions
;    NUMBER OF SEQUENCES:  11
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Pennie & Edmonds
;      STREET:  1155 Avenue of the Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  U.S.A.
;      ZIP:  10036
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US95/13663
;      FILING DATE:
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Misrock, S. Leslie
;      REGISTRATION NUMBER:  18,872
;      REFERENCE/DOCKET NUMBER:  6754-027
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 790-9090
;      TELEFAX:  (212) 790-8864/9741
;      TELEX:  66141 PENNIE
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  4922 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  unknown
;      TOPOLOGY:  unknown
;    MOLECULE TYPE:  DNA
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PCT-US95-13663-5

Query Match 61.9%; Score 819.8; DB 5; Length 4922;
Best Local Similarity 92.8%; Pred. No. 1.1e-256;
Matches 854; Conservative 28; Mismatches 34; Indels 4; Gaps 4;

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Qy        396 GGTCTTGGCAGCACCTGTCTCCTTTCACCCCAGGGCCTGAGCCTGGCCAGCCTACAATGG 455
              |||||||:|||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       3726 GGTCTTGGYAGCACCTGTCTCCTTTCACCCCAGGGCCTGAGCCTGGCCAGCCTACAATGG 3785

Qy        456 GGATGTTGTGTTTCTGTTCACCTTCGTTTACTATGCCTGTGTCTTCTCCACCACGCTGGG 515
              |||||||||||||||||||||||||||||||:|||||||||||||||||||||||||||
Db       3786 GGATGTTGTGTTTCTGTTCACCTTCGTTTACTATGBCTGTGTCTTCTCCACCACGCTGGG 3845

Qy        516 GTCTGGGAGGAATGGACAGACAGAGGATGAGCTCTACCCAGGGCCTGCAGGACCTG-CCT 574
              |||||||||||||||||||||||||||||||||||||:|||||||:||||||| ||| 
Db       3846 GTCTGGGAGGAATGGACAGACAGAGGATGAGCTCTACCCRGGGCCTGSAGGACCTGTCCT 3905

Qy        575 GTAGCCCACTCTGCTCGCCTTAGCA-CTACCACTCCTGCCAAGGAGGATTCCATTTGGCA 633
              ||||:|||||||||||||||||:| ||||:||||::|| |:|||||| ||| |||| |
Db       3906 GTAGMCCACTCTGCTCGCCTTAGSACCTACSACTCCWRCCGASGAGGATNCCANTTGGAA 3965

Qy        634 GAGCTTCTTCCAGGTGCCCAGCTATACCTGTGCCTCGGCTTTTCTCAGCTGGATGATGGT 693
              ||||||||  ||||| | |   | | |||||| | ||||||||||||||||||||||||
Db       3966 GAGCTTCTTNNAGGTGNCNAANAANANCTGTGCGTNGGCTTTTCTCAGCTGGATGATGGT 4025

Qy        694 CTTCAGCCTCTTTCTGTCCCTTCTGTCCCTCACAGCACTAGTATTTCATGTTGCACACCC 753
              | | ||||||||||||||||||||||||||||||||||||||||| ||||||||||||
Db       4026 CNTNAGCCTCTTTCTGTCCCTTCTGTCCCTCACAGCACTAGTATTTNATGTTGCACACCC 4085

Qy        754 ACTCAGCTCCGTGAACTTGTGAGAACACAGCCGATTCACCTGAGCAGGACCTCTGAAACC 813
              |||||||||||||| |||||||||||||| ||||||||||||||||||||||||||||
Db       4086 ACTCAGCTCCGTGAATTTGTGAGAACACAACCGATTCACCTGAGCAGGACCTCTGAAACC 4145

Qy        814 CTGGACCAGTGGTCTCACATGGTGCTACGCCTGCATGTAAACACGCCTGCAAACGCTGCC 873
              |||||||||||||||||||||||||||||||||||||||||||||| ||||||||||||
Db       4146 CTGGACCAGTGGTCTCACATGGTGCTACGCCTGCATGTAAACACGCCTNCAAACGCTGCC 4205

Qy        874 TGCCGGTAAACACGCCTGCAAAC-GCTGCCTGCCCGTAAACACGCCTGCAAACGCTGCCT 932
              ||||:||:||||||:::::::|| |:||::::|||||||||||||||||||||||||||
Db       4206 TGCCKGTRAACACGMSKSYRMACAGSTGMSWRCCCGTAAACACGCCTGCAAACGCTGCCT 4265

Qy        933 GCCCACACAGGTTCACGTGCAGCTCAAGGAAAGGCCTGAAAGGAGCCCTTATCTGTGCTC 992
              |||||||||||||||||||||||||||||||::||||||::|||||||||||||||||||
Db       4266 GCCCACACAGGTTCACGTGCAGCTCAAGGAAAGRMCTGAAARRAGCCCTTATCTGTGCTC 4325

Qy        993 AGGACTCAGAAGCCTCTGGGTCAGTGGTCCACATCCCGGGACGCAGCAGGAGGCCAGGCC 1052
              |||||||||||||||||||||||||||||||||||||||||||||| ||||||||||||
Db       4326 AGGACTCAGAAGCCTCTGGGTCAGTGGTCCACATCCCGGGACGCAGNAGGAGGCCAGGCC 4385

Qy       1053 GGCGAGCCCTGTGGATGAGCCCTCAGAACCCTTGGCTTGCCCACGTGGAAAAGGGATAGA 1112
              |||||||||||||||||||||||||||||||| |||||||||||||||||||||||||||
Db       4386 GGCGAGCCCTGTGGATGAGCCCTCAGAACCCTTGGGTTGCCCACGTGGAAAAGGGATAGA 4445

Qy       1113 GGTTGGGTTTCCCCCC-TTTATAGATGGTCACGCACCTGGGTGTTACAAAGTTGTATGTG 1171
              ||||||||||||||| |||||||||||||||||||||||||||||||||||||||||||
Db       4446 GGTTGGGTTTCCCCCCTTTTATAGATGGTCACGCACCTGGGTGTTACAAAGTTGTATGTG 4505

Qy       1172 GCATGAATACTTTTTGTAATGATTGATTAAATGCAAGATAGTTTATCTAACTTCGTGCGC 1231
              |||||||||||  ||| ||||||||||||||||||||||||||||||||||||||||||
Db       4506 GCATGAATACTTGNTGTNATGATTGATTAAATGCAAGATAGTTTATCTAACTTCGTGCGG 4565

Qy       1232 AATCAGCTTCTATCCTTGACTTAGATTCTGGTGGAGAGAAGTGAGAATAGGCAGCCCCCA 1291
              |||||||||||||||||| |||||||||||||||||||||||| ||||||||| |||||
Db       4566 AATCAGCTTCTATCCTTGNCTTAGATTCTGGTGGAGAGAAGTGANAATAGGCAGNCCCCA 4625

Qy       1292 AATAAAAAATATTCATGGAA 1311
              |||||  |||||||| || |
Db       4626 NATAAANAATATTCANGGGA 4645
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RESULT 8
US-09-949-016-70602/c

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; Sequence 70602, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
;  APPLICANT: VENTER, J. Craig et al.
;  TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
;  TITLE OF INVENTION:  WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
;  FILE REFERENCE: CL001307
;  CURRENT APPLICATION NUMBER: US/09/949,016
;  CURRENT FILING DATE:  2000-04-14
;  PRIOR APPLICATION NUMBER: 60/241,755
;  PRIOR FILING DATE: 2000-10-20
;  PRIOR APPLICATION NUMBER: 60/237,768
;  PRIOR FILING DATE: 2000-10-03
;  PRIOR APPLICATION NUMBER: 60/231,498
;  PRIOR FILING DATE: 2000-09-08
;  NUMBER OF SEQ ID NOS: 207012
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 70602
;   LENGTH: 601
;   TYPE: DNA
;   ORGANISM: Human
US-09-949-016-70602
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Query Match 12.7%; Score 167.8; DB 4; Length 601;
Best Local Similarity 98.8%; Pred. No. 5.1e-44;
Matches 169; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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Qy          1 CTTGAGAGGCTCTGGCTCTTGCTTCTTAGGCGGCCCGAGGACGCCATGGCCGAGTGCCCG 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        507 CTTGAGAGGCTCTGGCTCTTGCTTCTTAGGCGGCCCGAGGACGCCATGGCCGAGTGCCCG 448

Qy         61 ACACTCGGGGAGGCAGTCACCGACCACCCGGACCGCCTGTGGGCCTGGGAGAAGTTCGTG 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        447 ACACTCGGGGAGGCAGTCACCGACCACCCGGACCGCCTGTGGGCCTGGGAGAAGTTCGTG 388

Qy        121 TATTTGGACGAGAAGCAGCACGCCTGGCTGCCCTTAACCATCGAGATAAAG 171
              |||||||||||||||||||||||||||||||||||||||||||||| || ||
Db        387 TATTTGGACGAGAAGCAGCACGCCTGGCTGCCCTTAACCATCGAGGTACAG 337
```

```
RESULT 9
US-08-330-272-3
; Sequence 3, Application US/08330272
; Patent No. 5985598
;  GENERAL INFORMATION:
;    APPLICANT:  Russo et al
;    TITLE OF INVENTION:  TCL-1 Gene and Protein and Related
;    TITLE OF INVENTION:  Methods and Compositions
;    NUMBER OF SEQUENCES:  11
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Pennie & Edmonds
;      STREET:  1155 Avenue of the Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  U.S.A.
;      ZIP:  10036
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/330,272
;      FILING DATE:
;      CLASSIFICATION:  530
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Misrock, S. Leslie
;      REGISTRATION NUMBER:  18,872
;      REFERENCE/DOCKET NUMBER:  6754-027
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 790-9090
;      TELEFAX:  (212) 790-8864/9741
;      TELEX:  66141 PENNIE
```

```
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  560 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-330-272-3

  Query Match             4.9%;  Score 65;  DB 2;  Length 560;
  Best Local Similarity   100.0%;  Pred. No. 2.1e-10;
  Matches   65;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CTTGAGAGGCTCTGGCTCTTGCTTCTTAGGCGGCCCGAGGACGCCATGGCCGAGTGCCCG 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        496 CTTGAGAGGCTCTGGCTCTTGCTTCTTAGGCGGCCCGAGGACGCCATGGCCGAGTGCCCG 555

Qy         61 ACACT 65
              |||||
Db        556 ACACT 560


RESULT 10
PCT-US95-13663-3
; Sequence 3, Application PC/TUS9513663
;  GENERAL INFORMATION:
;    APPLICANT:  Russo et al
;    TITLE OF INVENTION:  TCL-1 Gene and Protein and Related
;    TITLE OF INVENTION:  Methods and Compositions
;    NUMBER OF SEQUENCES:  11
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Pennie & Edmonds
;      STREET:  1155 Avenue of the Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  U.S.A.
;      ZIP:  10036
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US95/13663
;      FILING DATE:
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Misrock, S. Leslie
;      REGISTRATION NUMBER:  18,872
;      REFERENCE/DOCKET NUMBER:  6754-027
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 790-9090
;      TELEFAX:  (212) 790-8864/9741
;      TELEX:  66141 PENNIE
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  560 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
PCT-US95-13663-3

  Query Match             4.9%;  Score 65;  DB 5;  Length 560;
  Best Local Similarity   100.0%;  Pred. No. 2.1e-10;
  Matches   65;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CTTGAGAGGCTCTGGCTCTTGCTTCTTAGGCGGCCCGAGGACGCCATGGCCGAGTGCCCG 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        496 CTTGAGAGGCTCTGGCTCTTGCTTCTTAGGCGGCCCGAGGACGCCATGGCCGAGTGCCCG 555

Qy         61 ACACT 65
              |||||
Db        556 ACACT 560


RESULT 11
US-09-949-016-692
; Sequence 692, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
;  APPLICANT: VENTER, J. Craig et al.
;  TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
;  TITLE OF INVENTION:  WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
;  FILE REFERENCE: CL001307
;  CURRENT APPLICATION NUMBER: US/09/949,016
;  CURRENT FILING DATE:  2000-04-14
;  PRIOR APPLICATION NUMBER: 60/241,755
;  PRIOR FILING DATE: 2000-10-20
;  PRIOR APPLICATION NUMBER: 60/237,768
;  PRIOR FILING DATE: 2000-10-03
;  PRIOR APPLICATION NUMBER: 60/231,498
;  PRIOR FILING DATE: 2000-09-08
;  NUMBER OF SEQ ID NOS: 207012
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 692
;   LENGTH: 1152
;   TYPE: DNA
;   ORGANISM: Human
US-09-949-016-692

  Query Match             4.7%;  Score 62.8;  DB 4;  Length 1152;
  Best Local Similarity   57.7%;  Pred. No. 1.8e-09;
  Matches  112;  Conservative    0;  Mismatches   82;  Indels    0;  Gaps    0;

Qy        190 GTGCTCTTGCGTCGGGAAGACGTCGTCCTGGGGAGGCCTATGACCCCCACCCAGATAGGC 249
              |||| |||| | | |   |  ||        ||  ||   |  || ||  ||||||   |
Db        208 GTGCACTTGTGGCAGATGGCAGTGCATACCCGGGAGCTACTCTCCTCCGGCCAGATGCCC 267

Qy        250 CCAAGCCTGCTGCCTATCATGTGGCAGCTCTACCCTGATGGACGATACCGATCCTCAGAC 309
                || ||||||   | ||||||||||||||||| |   |    |||||| |  | ||
Db        268 TTCTCCCAGCTGCCCGCCGTGTGGCAGCTCTACCCCGGGAGGAAGTACCGAGCAGCGGAT 327

Qy        310 TCCAGTTTCTGGCGCTTAGTGTACCACATCAAGATTGACGGCGTGGAGGACATGCTTCTC 369
              ||||||||||||   |||  ||||   | ||||||||    |||||  |  || | ||
Db        328 TCCAGTTTCTGGGAAATAGCAGACCATGGCCAGATTGACTCTATGGAGCAGCTGGTCCTA 387

Qy        370 GAGCTGCTGCCAGA 383
                | ||| ||
Db        388 ACATATCAGCCGGA 401


RESULT 12
US-09-949-016-2255
; Sequence 2255, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
;  APPLICANT: VENTER, J. Craig et al.
;  TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
;  TITLE OF INVENTION:  WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
;  FILE REFERENCE: CL001307
;  CURRENT APPLICATION NUMBER: US/09/949,016
;  CURRENT FILING DATE:  2000-04-14
;  PRIOR APPLICATION NUMBER: 60/241,755
;  PRIOR FILING DATE: 2000-10-20
;  PRIOR APPLICATION NUMBER: 60/237,768
;  PRIOR FILING DATE: 2000-10-03
;  PRIOR APPLICATION NUMBER: 60/231,498
;  PRIOR FILING DATE: 2000-09-08
;  NUMBER OF SEQ ID NOS: 207012
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2255
;   LENGTH: 1847
;   TYPE: DNA
;   ORGANISM: Human
US-09-949-016-2255
```

```
  Query Match             4.6%;  Score 60.4;  DB 4;  Length 1847;
  Best Local Similarity   51.5%;  Pred. No. 1.6e-08;
  Matches  167;  Conservative    0;  Mismatches  151;  Indels    6;  Gaps    1;

Qy         67 GGGGAGGCAGTCACCGACCACCCGGACCGCCTGTGGGCCTGGGAGAAGTTCGTGTATTTG 126
              || ||||  ||    |  |  || || | ||| ||||       |  ||    | ||
Db        625 GGAGAGGATGTGGGGGCTCCACCCGATCACCTCTGGGTTCACCAAGAGGGTATCTACCGC 684

Qy        127 GACGAGAAGCAGCACGCCTGGCTGCCCTTAACCATCGAGATAAAGGATAGGTTACAGTTA 186
              |||||  | |||| | | ||| ||       || ||| |  | |||| | |       ||
Db        685 GACGAATACCAGCGCACGTGGGTG------GCCGTCGTGGAAGAGGAGACGAGTTTCCTA 738

Qy        187 CGGGTGCTCTTGCGTCGGGAAGACGTCGTCCTGGGGAGGCCTATGACCCCCACCCAGATA 246
               |||  |   | | |       | ||   | | ||      |    |  || |  || |
Db        739 AGGGCACGAGTCCAGCAAATTCAGGTTCCCTTAGGTGACGCAGCTAGGCCAAGTCACCTT 798

Qy        247 GGCCCAAGCCTGCTGCCTATCATGTGGCAGCTCTACCCTGATGGACGATACCGATCCTCA 306
                 |   || ||| ||| |||||||||| |||||||| || |  || |||
Db        799 CTTACCTCCCAGCTACCTCTCATGTGGCAACTCTACCCGGAGGAGCGCTACATGGATAAC 858

Qy        307 GACTCCAGTTTCTGGCGCTTAGTGTACCACATCAAGATTGACGGCGTGGAGGACATGCTT 366
              ||||  | || ||||    ||  | | ||  | | | |    || ||  ||||  || |
Db        859 AACTCTCGCTTGTGGCAGATACAGCATCATTTAATGGTCAGGGGAGTACAGGAGCTGTTG 918

Qy        367 CTCGAGCTGCTGCCAGATGACTGA 390
              ||  ||||  |||| |||||||
Db        919 CTTAAGCTTTTGCCTGATGACTAA 942


RESULT 13
US-09-949-016-31387
; Sequence 31387, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
;  APPLICANT: VENTER, J. Craig et al.
;  TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
;  TITLE OF INVENTION:  WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
;  FILE REFERENCE: CL001307
;  CURRENT APPLICATION NUMBER: US/09/949,016
;  CURRENT FILING DATE:  2000-04-14
;  PRIOR APPLICATION NUMBER: 60/241,755
;  PRIOR FILING DATE: 2000-10-20
;  PRIOR APPLICATION NUMBER: 60/237,768
;  PRIOR FILING DATE: 2000-10-03
;  PRIOR APPLICATION NUMBER: 60/231,498
;  PRIOR FILING DATE: 2000-09-08
;  NUMBER OF SEQ ID NOS: 207012
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 31387
;   LENGTH: 601
;   TYPE: DNA
;   ORGANISM: Human
US-09-949-016-31387

  Query Match             3.8%;  Score 50.6;  DB 4;  Length 601;
  Best Local Similarity   58.2%;  Pred. No. 1.1e-05;
  Matches   89;  Conservative    0;  Mismatches   64;  Indels    0;  Gaps    0;

Qy        190 GTGCTCTTGCGTCGGGAAGACGTCGTCCTGGGGAGGCCTATGACCCCCACCCAGATAGGC 249
              |||| |||| | | |   |  ||        ||  ||   |  || ||  ||||||   |
Db         61 GTGCACTTGTGGCAGATGGCAGTGCATACCCGGGAGCTACTCTCCTCCGGCCAGATGCCC 120

Qy        250 CCAAGCCTGCTGCCTATCATGTGGCAGCTCTACCCTGATGGACGATACCGATCCTCAGAC 309
                 || ||||||   | ||||||||||||||||| |   |    |||||| |  | ||
Db        121 TTCTCCCAGCTGCCCGCCGTGTGGCAGCTCTACCCCGGGAGGAAGTACCGAGCAGCGGAT 180

Qy        310 TCCAGTTTCTGGCGCTTAGTGTACCACATCAAG 342
              ||||||||||||    |||   ||||   | ||
Db        181 TCCAGTTTCTGGGAAATAGCAGACCATGGCCAG 213


RESULT 14
US-09-949-016-70598
; Sequence 70598, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
;  APPLICANT: VENTER, J. Craig et al.
;  TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
;  TITLE OF INVENTION:  WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
;  FILE REFERENCE: CL001307
;  CURRENT APPLICATION NUMBER: US/09/949,016
;  CURRENT FILING DATE:  2000-04-14
;  PRIOR APPLICATION NUMBER: 60/241,755
;  PRIOR FILING DATE: 2000-10-20
;  PRIOR APPLICATION NUMBER: 60/237,768
;  PRIOR FILING DATE: 2000-10-03
;  PRIOR APPLICATION NUMBER: 60/231,498
;  PRIOR FILING DATE: 2000-09-08
;  NUMBER OF SEQ ID NOS: 207012
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 70598
;   LENGTH: 601
;   TYPE: DNA
;   ORGANISM: Human
US-09-949-016-70598

  Query Match             3.8%;  Score 50.6;  DB 4;  Length 601;
  Best Local Similarity   58.2%;  Pred. No. 1.1e-05;
  Matches   89;  Conservative    0;  Mismatches   64;  Indels    0;  Gaps    0;

Qy        190 GTGCTCTTGCGTCGGGAAGACGTCGTCCTGGGGAGGCCTATGACCCCCACCCAGATAGGC 249
              |||| |||| | | |   |  ||        ||  ||   |  || ||  ||||||   |
Db         61 GTGCACTTGTGGCAGATGGCAGTGCATACCCGGGAGCTACTCTCCTCCGGCCAGATGCCC 120

Qy        250 CCAAGCCTGCTGCCTATCATGTGGCAGCTCTACCCTGATGGACGATACCGATCCTCAGAC 309
                 || ||||||   | ||||||||||||||||| |   |    |||||| |  | ||
Db        121 TTCTCCCAGCTGCCCGCCGTGTGGCAGCTCTACCCCGGGAGGAAGTACCGAGCAGCGGAT 180

Qy        310 TCCAGTTTCTGGCGCTTAGTGTACCACATCAAG 342
              ||||||||||||    |||   ||||   | ||
Db        181 TCCAGTTTCTGGGAAATAGCAGACCATGGCCAG 213


RESULT 15
US-09-949-016-2087
; Sequence 2087, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
;  APPLICANT: VENTER, J. Craig et al.
;  TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
;  TITLE OF INVENTION:  WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
;  FILE REFERENCE: CL001307
;  CURRENT APPLICATION NUMBER: US/09/949,016
;  CURRENT FILING DATE:  2000-04-14
;  PRIOR APPLICATION NUMBER: 60/241,755
;  PRIOR FILING DATE: 2000-10-20
;  PRIOR APPLICATION NUMBER: 60/237,768
;  PRIOR FILING DATE: 2000-10-03
;  PRIOR APPLICATION NUMBER: 60/231,498
;  PRIOR FILING DATE: 2000-09-08
;  NUMBER OF SEQ ID NOS: 207012
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2087
;   LENGTH: 1128
;   TYPE: DNA
;   ORGANISM: Human
US-09-949-016-2087

  Query Match             3.8%;  Score 50.6;  DB 4;  Length 1128;
  Best Local Similarity   58.2%;  Pred. No. 1.8e-05;
  Matches   89;  Conservative    0;  Mismatches   64;  Indels    0;  Gaps    0;

Qy        190 GTGCTCTTGCGTCGGGAAGACGTCGTCCTGGGGAGGCCTATGACCCCCACCCAGATAGGC 249
              |||| |||| | | |   |  ||        ||  ||   |  || ||  ||||||   |
Db        208 GTGCACTTGTGGCAGATGGCAGTGCATACCCGGGAGCTACTCTCCTCCGGCCAGATGCCC 267
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```
Qy        250 CCAAGCCTGCTGCCTATCATGTGGCAGCTCTACCCTGATGGACGATACCGATCCTCAGAC 309
              || ||||||   | ||||||||||||||||| |   |    |||||| |  | ||
Db        268 TTCTCCCAGCTGCCCGCCGTGTGGCAGCTCTACCCCGGGAGGAAGTACCGAGCAGCGGAT 327

Qy        310 TCCAGTTTCTGGCGCTTAGTGTACCACATCAAG 342
              ||||||||||||    |||   ||||   | ||
Db        328 TCCAGTTTCTGGGAAATAGCAGACCATGGCCAG 360
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Search completed: February 10, 2005, 02:53:45
Job time : 254 secs